





# Go ahead in safety



**W**HEN you carry HAGSTROM INSIDE TIRE SLEEVES in your tool box there is no need of carrying extra casings. The Hagstrom Sleeve fills the bill. They do not disfigure your car and, once inserted in the tires, will last thousands of miles; they positively can not creep and will build up the weak spots; saves vulcanizing, if applied in time, prevents rim cuts and blow outs; easy to insert and will save a large per cent of your tire expense. The Hagstrom Tire Sleeves are the greatest sensation of the season in the auto-tire accessory line, and is the only sleeve that has the endorsement of

*our leading motorists and racing men.*

Workmanship and material are carefully selected. The Hagstrom Sleeves are put up in boxes, making them convenient to carry. Ask your dealer. On sale everywhere.

HAGSTROM BROS. MANUFACTURING CO.

Works and Main Office  
LINDSBORG, KANSAS

# Do You Wonder that the Splitdorf Product Leads the World?

---

The Most Marvelous Non-Stop Automobile Run  
Ever Made—10,000 miles without stopping its engine  
recently accomplished by a Maxwell car equipped with a

## **SPLITDORF MAGNETO**

---

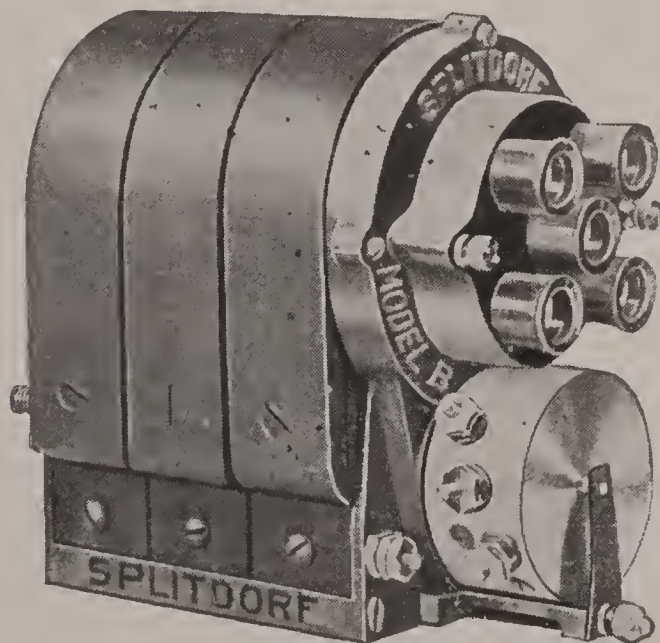
AND

## **COMMON SENSE PLUGS**

---

Magneto and Plugs gave absolutely perfect ignition  
during entire run.

It is comparatively easy for any Magneto or Plug to show  
good results in a race of 400 or 500 miles, but a gruelling test  
of 25 days' continous and perfect work is a performance  
that proves to the utmost the efficiency and reliability of this  
incomparable Magneto and Plug.



The following is the last paragraph  
of a letter received by us from the  
Maxwell-Briscoe Motor Co. regarding  
this unparalleled feat:

"This test has conclusively  
proved to us that your Mag-  
neto is superior to anything  
we have ever used.

Yours very truly,  
MAXWELL-BRISCOE MOTOR CO.  
C. W. Kelsey."

---

Ask for Magneto catalog

---

CHICAGO: 319 Michigan Ave.  
SAN FRANCISCO:  
520 Van Ness Ave.  
DETROIT: 886 Woodward Ave.  
BOSTON: Motor Mart.

# **C. F. SPLITDORF**

Walton Ave. and 138th St. **NEW YORK**  
Branch, 1679 Broadway



# Autoline

The Perfect Lubricating Oil for All Types of Motor Cars  
and Motor Boats

## The Oil that Saves the Motor

A supply of **Autoline** for cylinders, Greoil for transmissions  
and B Journal Compound for bearings on a long trip se-  
cures a maximum of efficiency and a minimum of worry.

# Autoline

IF PROPERLY USED

## Will Not Carbonize--Will Not Soot

Quality and uniformity guaranteed—Accept no substitute.  
There is nothing “Just as Good” for a motor car of any  
description. If your garage does not keep **Autoline**,  
write us and name make of your car.

# Autoline

Manufactured by

**Wm. C. Robinson & Son Co.**

CHICAGO, ILL.

TERRE HAUTE, IND.

BALTIMORE, MD.

BOSTON, MASS.

PHILADELPHIA, PA.

PITTSBURG, PA.

===== CINCINNATI, O. =====

REFINERY AT CORAOPOLIS, PA.

First on Land, First on Sea,  
First in the Hearts of All Motormen

# Mosler Spit Fire PLUGS

## Lead the World

USED BY THE LEADING MANUFACTURERS  
MAGNETO TYPE OF ALL SIZES

*Made to fit any engine, any thread.*

*Have heavy Genuine Iridium Platinum Points.*

*Can be had for the asking.*

### Energetic Ignition

BASE Protects Porcelain and Sparking Points  
BASE acts as Condenser of Electricity  
BASE Forms Compression Chamber

### Greater Power

BASE Makes Plugs Spit Fire  
BASE Economizes Current  
BASE Facilitates Sparking

**INSIST UPON THE TWO PATENTED SIDE CLEANING HOLES**  
—One is not enough!

*We Protect our Registered Trade Mark and Patents. Dealers and Jobbers **BEWARE!***

Do not be deceived by any other "Fire" name.

There is only ONE GENUINE "Spit Fire" plug—that made by

**A. R. MOSLER & CO.**

Originators of the "Spit Fire" principle

## A TRIUMPH FOR THE SPIT FIRE

The **ONLY** Plugs in the **WORLD** that **ACTUALLY** Spit Fire

**INSIST ON THE GENUINE, with Name on Porcelain and Base**

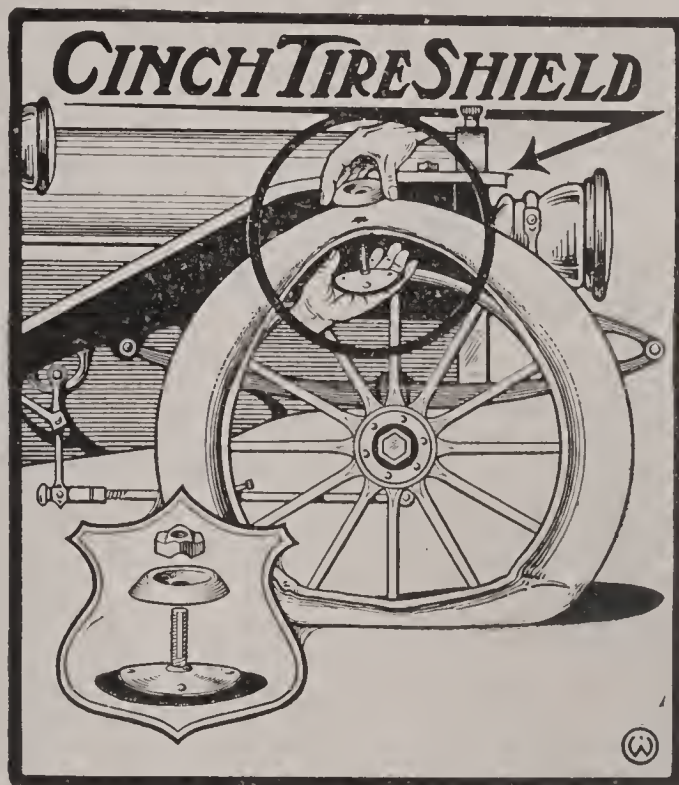
**A. R. MOSLER & CO 163 W 29th Street, New York**



Don't Walk Home

Don't Run on Flat Tires

Put on a **CINCH**



Patent Allowed

**ARE YOU PREPARED FOR A BLOW-OUT?**

IF NOT

**GET A CINCH TIRE SHIELD**

Made to fit any sized tire

Made either of LEATHER REINFORCED with STEEL or of  
STEEL COVERED WITH CANVAS

**WHY CARRY EXTRA CASES?**

Put a few Cinches in the tool box and repair any and all blow-outs

**ASK FOR OUR CATALOGUE**

OF

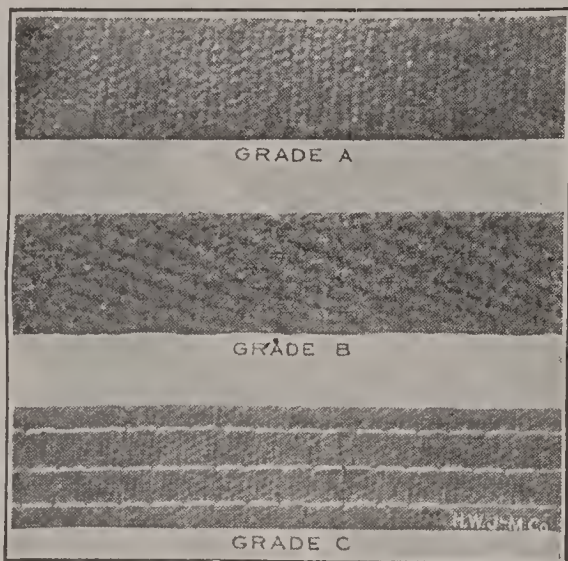
AUTO NOVELTIES AND SUPPLIES INCLUDING THE MARVELOUS  
TARNISH PREVENTATIVE

---

**LAWRENCE & WELCH**

STERLING, ILLINOIS

*For sale by all Reliable Dealers*



MADE IN THREE GRADES—  
Any Length or Thickness

**NON-BURN BRAKE LINING** is made of pure long-fibred Asbestos with brass wires inserted. Heat from friction or oil and water do not affect it. Wears 40,000 to 50,000 miles.

*Write nearest Branch for Sample and Booklet.*

## Non-Burn Brake Lining Locked Wheels Instantly

Out of the five most largely used brake band linings recently put to an exhaustive test by Mr. J. D. Maxwell, of the Maxwell Briscoe Motor Company.

Non-Burn was the only one which locked wheels of car **INSTANTLY**. The lining which came nearest to this locked wheels in 12 feet.

A difference of only one foot in the stopping distance often averts a serious accident!

## Manville Fire Extinguisher

is absolutely warranted to put out any fire, whether arising from gasoline, benzine, calcium carbide, or any other cause, if thrown at the base of flames when fire first starts. It is also warranted not to injure paint or the upholstering, and not to freeze, cake in the tube, corrode or deteriorate with age.

Is always ready, always sure. Over a Half Million in Use.



*Write nearest Branch for Booklet.*



## Mobilene Packing Won't Blow Out

**MOBILENE PACKING** does not burn, char, harden and blow out like rubber, cloth and other so-called gas-engine packings. It is made of an indestructible mineral — *asbestos* — which heat does not affect.

**MOBILENE** also has exceptional strength because fine brass wires are intertwined in each strand. It is pliable, compressible and easily cut. Is graphited one side and all ready to apply.

See that it is used on your auto and avoid vexatious delays. Write nearest Branch for Sample and Booklet.

# H. W. JOHNS-MANVILLE CO.

Baltimore  
Boston  
Buffalo  
Chicago

Cleveland  
Dallas  
Detroit  
Kansas City

London  
Los Angeles  
Milwaukee  
Minneapolis

New Orleans  
New York  
Philadelphia  
Pittsburg

San Francisco  
Seattle  
St. Louis



# Waterhouse

# Carburetor

No re-hashing of old methods,  
fundamentally new

IT HAS ONLY ONE ADJUST-  
MENT, THE NEEDLE VALVE,  
ONCE SET REMAINS FIXED  
FOR ALL SPEEDS

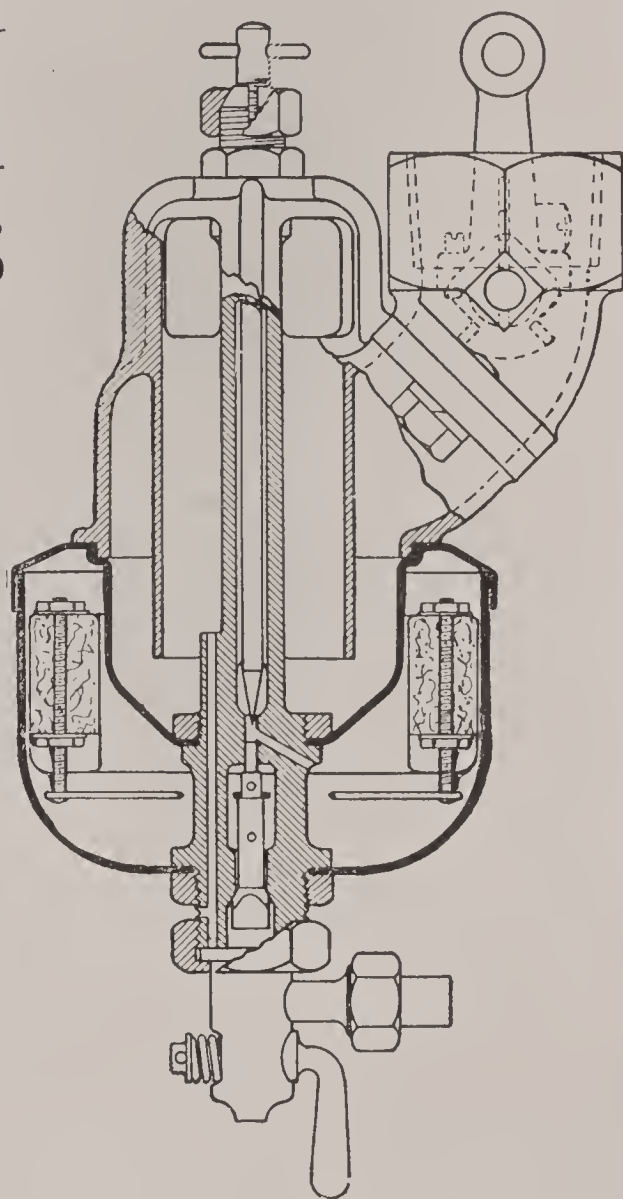
No Air Auxiliaries, no Springs  
and no Spray Nozzle, can't  
Flood.

Always primed for starting, won't  
choke up. Responds to the  
throttle instantly.

It's light in weight and very tiny.

Extremely powerful and gives  
absolutely no trouble.

Its price is low.



ONE-HALF ACTUAL MEASUREMENTS OF  
ONE INCH SIZE

Makers of the  
celebrated

**Bemus  
Timers**

**Monitor Mfg. Co.**

28 PELHAM COURT  
Boston, Mass.

Manufacturers of the  
Famous

**Monitor  
Distributors**

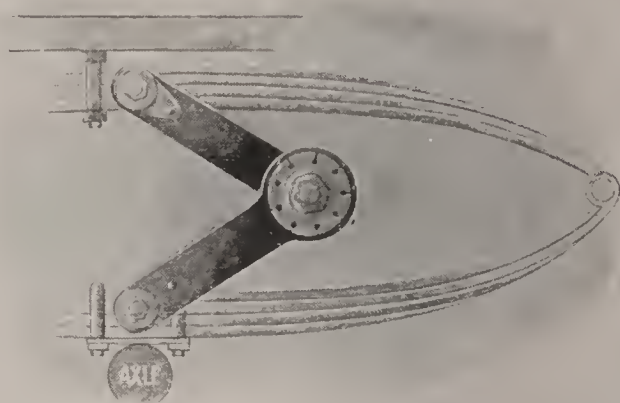
# STOP THE JAR AND SHOCK

AND THE EVER WORKING INJURY TO YOUR  
CAR BY THE USE OF THE

## WESTEN SHOCK ABSORBER

THE ONLY SHOCK ABSORBER MADE THAT  
WILL AUTOMATICALLY ADJUST THEMSELVES  
TO ANY LOAD OR ROAD CONDITIONS.

This absorber automatically adjusts itself to the natural position regardless of the load carried by the vehicle, and at the same time brakes the upward as well as the downward motion of the springs.



In the ordinary shock absorber the absorbing qualities are lost by the addition of extra weight, or if the car meets with an unordinary obstruction. While the vibration of the engine is in no way checked and is the cause of much wear and tear. Westen Shock Absorbers catch all vibrations at all times no matter how small or how great. The automatic adjustment within itself make them superior. After once attached to your car assurance of safety and less cost for upkeep is guaranteed, and the unpleasant sound of the nerve racking rat-

tle of loose parts is eliminated.

You should realize at once the damage done by oscillation and equip your car with Westen Shock Absorbers. You will then be prepared to meet unexpected jolts and unseen depressions in the road and add, at the same time, comfort to the passengers of the car.

There are two friction planes which make the absorber capable of offering different degrees of resistance to the action of the vehicle springs under varying conditions.

---

## WESTEN MANUFACTURING Co.

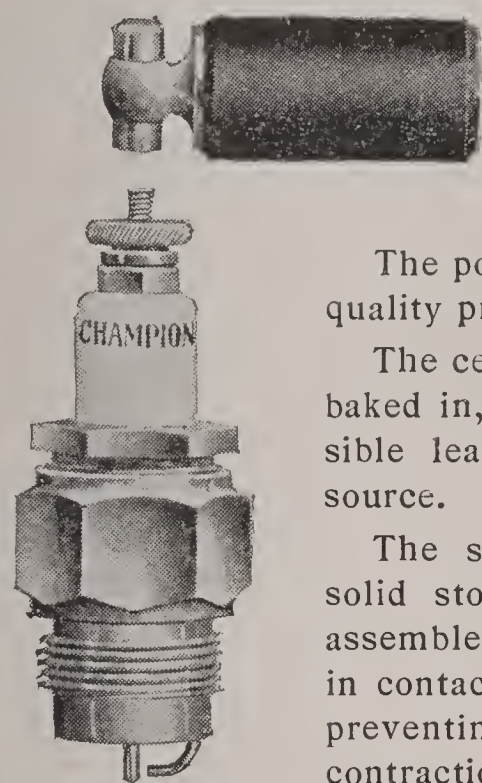
290 HALSEY STREET

Newark, New Jersey



# The Right Spark Plug is an important adjunct to any Gas Engine

---



In the construction of the Champion Spark Plug the utmost care is given to every detail, thus assuring the best results.

The porcelain is of the very highest quality procurable.

The centre wire is firmly cemented and baked in, thus doing away with any possible leak of compression through that source.

The shell and bushing are cut from solid stock and so designed that when assembled porcelain does not actually come in contact with either at any point, thus preventing any chance of breakage from contraction or expansion of metal.

The workmanship on parts is so good and so accurate that no matter how many times the plug is taken apart and re-assembled the porcelain is always perfectly centered.

The electrodes or points are of nickel alloy; will not oxidize; are imperforable to spark of almost any intensity; are especially adapted to use with magneto, under which use the points will not burn off as they do on so many other plugs.

The combustion chamber at lower extremity of porcelain keeps the points free from soot, and practically eliminates any necessity for cleaning.

We particularly recommend the use of Champion Plugs under severest conditions, such as very high compression, excessive oil in cylinders, with magneto, etc.

Genuine Champion Spark Plugs are manufactured only by

## The Champion Company

36 Whittier Street, Boston, Mass.

This is

a cash



Compare these sizes with other 6 volt  
60 ampere Batteries

$8 \times 6\frac{1}{4} \times 9\frac{1}{8}$

Guaranteed for one year or money refunded. Made in  
sizes from 40 amperes up

---

**MICHIGAN STORAGE BATTERY Co.**

67 East Atwater Street, Detroit, Mich.



**YOUR CAR CANNOT RUN EASIEST**

***Nor Last Longest Without the Best Lubricant***

The ONE Automobile Oil and the  
ONE Automobile Grease you  
can always depend upon—that gives  
PERFECT SATISFACTION and  
reduces cost of lubrication and repair bills  
to a minimum is

**SPEARE'S**

**AUTO OIL AND GREASE**

THEY SAVE WEAR  
INCREASE POWER and  
EVERY DROP LUBRICATES

**WHY?**

Because they are manufactured  
by a firm with fifty-five years'  
experience in the lubricating oil  
business.

**Speare's Body Soap**  
**Speare's Metal Polish**  
**Speare's Waste**

are also the most economical  
you can buy

SPEARE'S GOODS are sold everywhere;  
if not, send dealer's name and write us direct.

DEALERS—Send for Speare's latest proposition.

**THE ALDEN SPEARE'S SONS CO.**

Established 1851

253 Broadway  
New York

369 Atlantic Avenue  
BOSTON, MASSACHUSETTS

21 River Street  
Chicago

# T. S. D. Recording Company

(Metropolitan Building)

NO. 1 MADISON AVENUE, NEW YORK

Manufacturers of best modern devices and instruments for accurately measuring **TIME, SPEED, DISTANCE**, including stops or waiting time, and permanently registering same.

Machines suitable for all kinds of vehicles—horse drawn or motor.  
**Especially adapted for Automobiles.**

**T. S. D. Combination Recorder**, containing within a highly polished brass case, securely locked, with plate glass front, a Speedometer, Odometer, Clock (eight day, full-jewelled marine movement), and recording tape sufficient for one week, on which is correctly and permanently recorded time employed, speed attained, distance travelled and stops made day or night. **Absolutely eliminates "Joy Rides."**

**T. S. D. Commercial Recorder** (for commercial vehicles), comprising clock and record tape, locked within a solid metal case, and giving a clear, permanent record of exact movement of vehicles, thus preventing or minimizing speeding or loitering.

T. S. D.  
Combination  
Recorder



Half  
Size

T. S. D. Speedometer and Odometer combined

T. S. D. Speedometer—singly

T. S. D. Odometer

T. S. D. Clocks

T. S. D. Taximeter or Taxirecord for taxicabs and  
vehicles for hire

Exclusive  
Territory  
To  
Responsible  
Representatives

The construction of all T. S. D. Machines embodies features which mark a distinct advance in the State of the Art, and will meet all requirements of practicability, reliability, accuracy and durability, which instruments for the service intended should possess.

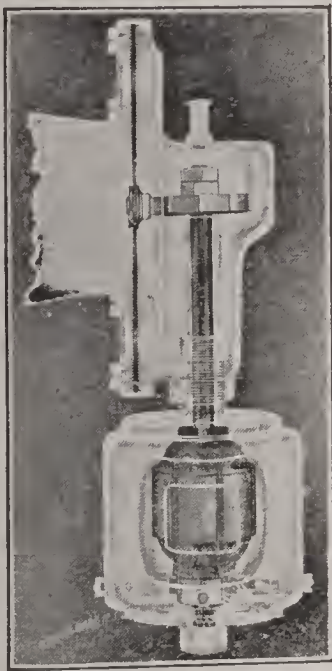


# THE KLAXON

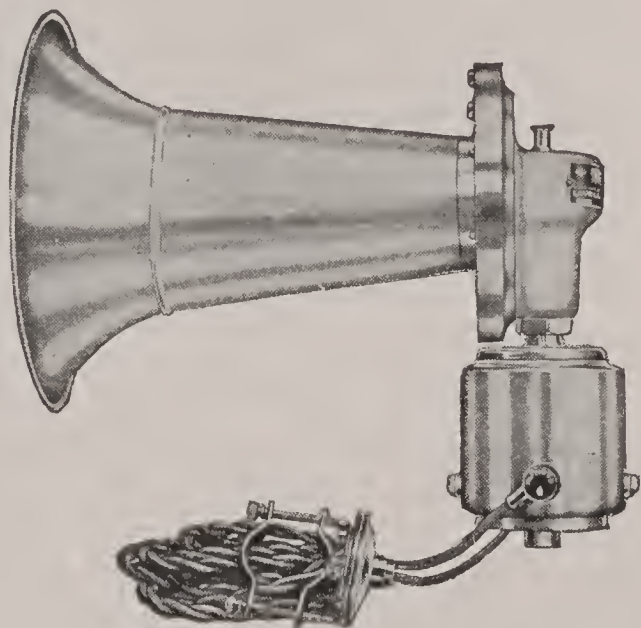
Trade Mark Reg. Patented Mar. 31-08, Jan. 19-09 (2), Feb. 2-09, May 25-09 (3)

“THE X-RAY OF SOUND”

THE “Klaxon” is a Noise machine.  
It is run by an electric motor  
and is built to run for years :: :: ::  
It operates from a 6 or 8-volt stor-  
age battery or 8 dry cells. It is not  
a horn--reed or electric---though it  
looks somewhat like one :: :: ::



Sectional view of KLAXON  
showing relative position of  
motor shaft, toothed wheel  
and vibrating diaphragm.



Type L—Long Projector

**Lovell-McConnell**  
**Mfg. Co.,** *Manufacturers*

365-367 Market Street, NEWARK, N. J.

**The**  
**Klaxon Company**

*Sole Distributors for U. S. A.*

1 Madison Avenue, NEW YORK

# TOURISTS en route between CHICAGO and NEW YORK

Can secure UNIFORM LUBRICATION and FREEDOM from CARBON  
TROUBLES, by calling for

## ANTI-CARBON AUTO OIL

*Made By*

**THE KEYSTONE REFINING CO.**  
**COLUMBUS, OHIO**

at any of the following FIRST-CLASS GARAGES along the route :

**CHICAGO, ILL.**

The Motor Car Supply Co., 1451-53 Michigan Ave.

**HAMMOND, IND.**

Hammond Garage Company

CROWN POINT, IND. }  
GARY, IND. } C. M. Baker

**VALPARAISO, IND.**

A. L. Zimmerman, 251 W. Main St.

**LAPORTE, IND.**

Auto Maintenance Co., 808 Monroe

**LOGANSPORT, IND.**

A. E. Dunn, Main Street

**PERU, IND.—Adams & Sampsel**

**KOKOMO, IND.**

J. E. Palethorpe, 20 East Sycamore

**TIPTON, IND.**

Tipton Garage and Machine Works

**WAUSEON, OHIO**

F. R. Harper

**TOLEDO, OHIO**

Atwood Garage, 2015 Monroe Street



**FREMONT, OHIO**

Fremont Auto & Repair Co., 207-09 Garrison Street

**TIFFIN, OHIO**

H. P. Klaiss, 123 East Market Street

**BELLEVUE, OHIO—E. C. Reitz**

**OBERLIN, OHIO—A. P. Cook**

**ELYRIA, OHIO—The Auto Inn**

**LORAIN, OHIO**

F. S. Rathwell, 425-27 Broadway

**WILLOUGHBY, OHIO—Star Garage**

**ASHTABULA, OHIO**

C. L. Scrivens Motor Co., 13 Spring Street

**BUFFALO, N. Y.—Chas. E. Miller, 824 Main St.**

**NIAGARA FALLS, N. Y.**

Niagara Falls Auto & Transit Co., 103 Main St.

**BATAVIA, N. Y.—Hilte & Kennedy, 24 Main St.**

**ROCHESTER, N. Y.**

Rochester Auto Supply Co., 375 Main Street

**AUBURN, IND.**

Auburn Automobile Co., 54-60 Water Street

**SYRACUSE, N. Y.**

Amos & Pierce Automobile Co.

**ALBANY, N. Y.**

Albany Garage Co., 28-30 Howard Street

**NEW YORK—Chas. E. Miller, 97 Reid Street**

By using the same grade of oil from start to finish you avoid the necessity of changing feed, and we are positive you can not start with a better oil, or one that will cause you LESS CARBON TROUBLE than our celebrated

**ANTI-CARBON AUTO OIL**

We will appreciate it if consumers will report to us any dealers who try to substitute an inferior oil for our ANTI-CARBON.

**THE KEYSTONE REFINING COMPANY**  
**COLUMBUS, OHIO**



The same  
consistency  
for all  
seasons of  
the year.

Not  
affected by  
severe con-  
ditions of  
heat and  
cold.



# KEYSTONE GREASE

ESTABLISHED 1884

Holds the record  
for lowest fric-  
tion and greatest  
test for endur-  
ance in the great  
plant of the Wil-  
liam Cramp &  
Sons Ship and  
Engine Building  
Company, Phila-  
delphia.

ORDER IT  
NEXT TIME



Has an estab-  
lished reputa-  
tion in the power  
plant field for  
superiority and  
greatness. Ask  
any engineer  
anywhere.

Is not soluble in  
water like cheap  
grease.

ORDER IT  
NEXT TIME

## The World's Greatest Lubricant

No. 1 Density (solid) for use in all grease cups—on axle bearings or wherever the use of a solid lubricant might be required.

No. 3 Density (semi-solid) for transmission, differential and timing gear cases.

### KEYSTONE

Lubricating  
Company

Philadelphia



CHICAGO  
907 Tacoma Bldg.  
NEW YORK  
1717 Broadway  
BOSTON  
Oliver Bldg.  
NEW ORLEANS  
612 Chartres Bldg.



Dealers and Jobbers write  
for our Special Proposition.



**Gus Balzer** Manufacturer and  
Manufacturers Representative

Representing

**MONOGRAM CREST AND SIGN CO.**

We Handle Following Goods:

Sawed and Etched Name Plates. Radiator Cap Eagles and  
Ornaments. Limousine Bouquet Holders.

We Make a Specialty of all Ornaments that are used on an Automobile

1777 Broadway

New York

The so called Tire Problem is  
no Problem at all to a raft of

**Goodrich Tire**

— U S E R S —

They get inexpensive pleasurable  
milage—and a good deal of it

**The B. F. Goodrich Company**  
Akron, Ohio

Branches in all large Cities

## The "Excentric" Mica Plug

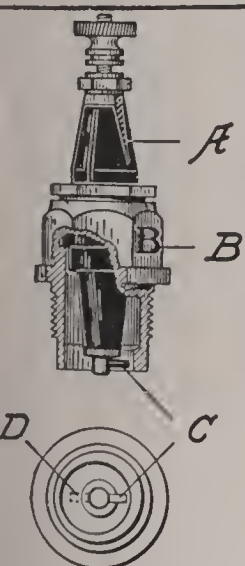
Try it and convince yourself of its  
superiority. Guaranteed for one year

**Mica Core Manufacturing Co.**

Makers of Spark Plugs, Mica  
Cores, Timers and Distributers

446 E. 166th STREET

NEW YORK CITY



# WORCESTER IGNITION SPECIALTIES

---



WORCESTER COMBINATION ROTARY SWITCH  
(Controller Type)

*Operated by Hand or Foot*

WORCESTER AUTOMOBILE AND MARINE COILS

---

SEND FOR CATALOG

---

W. H. LELAND & COMPANY

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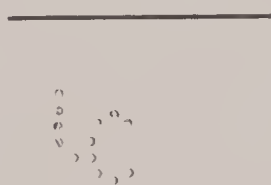
WORCESTER :: MASSACHUSETTS



# PHOTO-AUTO MAPS

Photographs of every turn, together with a  
**Topographical Outline of Road**  
Showing Railroad Crossings, Bridges, School  
Houses and All Landmarks, with  
Accurate Distances Between

NEW YORK TO CHICAGO



Rand McNally & Company

PUBLISHERS

166 and 168 Adams Street  
CHICAGO

142 Fifth Avenue  
NEW YORK

## BUFFALO DIVISION

{ Buffalo to New York	{ Buffalo to Syracuse, N. Y.
{ New York to Buffalo	{ Syracuse to Buffalo
{ Buffalo to Cleveland	{ Buffalo to Utica
{ Cleveland to Buffalo	{ Utica to Buffalo
{ Buffalo to Erie	{ Buffalo to Albany
{ Erie to Buffalo	{ Albany to Buffalo
{ Buffalo to Rochester, N. Y.	
{ Rochester to Buffalo	

## ROCHESTER AND SYRACUSE DIVISION

{ Rochester to Syracuse, N. Y.	{ Syracuse to Utica, N. Y.
{ Syracuse to Rochester	{ Utica to Syracuse
{ Rochester to Albany, N. Y.	{ Syracuse to Albany, N. Y.
{ Albany to Rochester	{ Albany to Syracuse
{ Rochester to New York	{ Utica to Albany, N. Y.
{ New York to Rochester	{ Albany to Utica
{ Rochester to Utica, N. Y.	{ Albany to Saratoga Springs
{ Utica to Rochester	{ Saratoga Springs to Albany

## NEW YORK DIVISION

{ New York to Chicago	{ New York to Syracuse, N. Y.
{ Chicago to New York	{ Syracuse to New York
{ New York to Buffalo, N. Y.	{ New York to Rochester, N. Y.
{ Buffalo to New York	{ Rochester to New York
{ New York to Albany, N. Y.	{ New York to Cleveland, O.
{ Albany to New York	{ Cleveland to New York
{ New York to Saratoga Springs	{ New York to Detroit, Mich.
{ Saratoga Springs to New York	{ Detroit to New York
{ New York to Utica, N. Y.	
{ Utica to New York	



# PHOTO-AUTO MAPS

CHICAGO TO NEW YORK

NEW YORK TO CHICAGO

SOUTH BEND TO INDIANAPOLIS

INDIANAPOLIS TO SOUTH BEND

TOLEDO TO DETROIT

DETROIT TO TOLEDO

ALBANY TO SARATOGA SPRINGS

SARATOGA SPRINGS TO ALBANY

# Instructions for Using Photo- Auto Maps

---

The best way to use the Photo-Auto Maps is to follow the route by the topographical map and refer to the photographs only to make sure that you are turning at the right place. Use your meter at all times to get the distances between turns. The distances given between turns will vary with different machines, as a slight difference in size of tires, different conditions of the roads and many other things tend to vary the register. Three meters were used and an average taken to get the distances given. The numbers in the squares and circles give the number of the photographs at the turns and the figures outside of them give the distance to the next photograph. The compass on each plate should be used to get correct directions. This map is not drawn to scale, but is made to show the turns to the best advantage. Where turns occur close together the map is enlarged and where there is a long straight run it is condensed, so do not judge distances by the appearances of the map. Go entirely by the meter readings. Distances between closest points only are given to insure the smallest variation. The distances given are the average obtained from three different makes of speedometers and a re-check by the Warner Auto-Meter.



# Index to Towns

The first column of figures gives the numbers of the photos in the town or the nearest photo to it. The second column gives the number of the map on which the town is located.

NAME OF TOWN	Photo No.	Plate No.
Albany.....N. Y.	{ 227-738 } { 1C-56C }	30-31-401
Amsterdam.....“	222-732	29
Arcadia.....Ind.	43A-54A	203
Archbold.....Ohio	89-591	9
Argos.....Ind.	3A-92A	201
Ashtabula.....Ohio	137-651	15
Atlanta.....Ind.	37A-58A	203
Auburn.....N. Y.	193-708	25
Batavia.....“	165-677	21
Bellview.....Ohio	113-618	11
Bergen.....N. Y.	172-682	21
Blue Store.....“	246-758	32
Brocton.....“	149-660	18
Bryan.....Ohio	80-585	8
Buchanan.....N. Y.	270-779	35
Buffalo.....“	164-675	19-20
Bunker Hill.....Ind.	13A-83A	202
Butler.....“	72-575	8
Byron.....N. Y.	171-681	21
Canastota.....“	211-721	27
Camillius.....“	198-712	25
Chicago.....Ill.	1-499	1
Chittenango.....N. Y.	209-718	26
Churchville.....“	172-683	21
Cicero.....Ind.	44A-53A	203
Clarence.....N. Y.	164-677	20
Cleveland.....Ohio	131-641	13-14
Clyde.....“	112-618	11
Cohoes.....N. Y.	9C-44C	401
Conneaut.....Ohio	142-654	16
Cold Spring.....N. Y.	259-768	34
Croton.....“	273-782	35
Deerfield.....“	217-727	28
Delta.....Ohio	95-599	9
Detroit.....Mich.	11B-20B	302
Dobbs Ferry.....N. Y.	276-786	36
East Pembroke.....“	164-677	20

CONTINUED ON NEXT PAGE

# To the Motorist Who is Down on His "Tire Luck"

You don't hear the man who uses Morgan & Wright tires saying much about his "tire luck," good or bad.

After he has used a pair or two, he gets out of the habit of ascribing the completion of a trip or a tour without tire trouble to good fortune. He lays it to "**Good Tires**"—nothing else. He knows that—take tires made as Morgan & Wright tires are, out of the highest grade of materials with a painstaking care in regard to the minutest details of construction, and give them proper care—tire service ceases to be a matter of chance.

He gets a confidence in his tire equipment that adds much to the enjoyment of his car, and a freedom from repair bills that is a big help to his bank account.

There is no truer saying in motordom than that—

**MORGAN & WRIGHT TIRES  
ARE GOOD TIRES**

Dealers everywhere sell them at the same price you are asked to pay for other brands.

**Morgan & Wright, Detroit**



# INDEX TO TOWNS—Continued

NAME OF TOWN	Photo No.	Plate No.
East Springfield..... Pa.	143-654	16
Edgerton..... Ohio	75-578	8
Elbridge..... N. Y.	197-711	25
Elyria..... Ohio	125-633	12
Erie..... Pa.	146-658	17
Fairview..... “	144-655	16
Fayetteville..... N. Y.	207-717	26
Fishkill Village..... “	256-764	34
Frankfort..... “	217-728	28
Fredonia..... “	149-660	18
Fremont..... Ohio	112-618	10
Fonda..... N. Y.	221-730	29
Geneva..... Ohio	136-649	15
Genoa..... “	109-615	10
Girard..... Pa.	144-655	16
Goshen..... Ind.	48-552	6
Hammond..... “	14-514	2
Harbour Creek..... Pa.	147-659	17
Hastings..... N. Y.	277-788	36
Herkimer..... “	219-729	28
Highlands..... Ind.	19-519	3
Hobart..... “	21-520	3
Hudson..... N. Y.	245-757	32
Hyde Park..... “	249-762	33
Ilion..... “	217-728	28
Irving..... “	153-662	18
Irvington..... “	275-786	36
Indianapolis..... Ind.	48A	204
Kendallville..... “	65-569	7
Kinderhook..... N. Y.	238-749	32
Kipton..... Ohio	118-624	12
Kirkland..... N. Y.	214-723	27
Kokomo..... Ind.	18A-77A	203
Lakeville..... “	3A-92A	201
Lapaz..... “	3A-92A	201
La Porte..... “	38-539	4
Ligonier..... “	54-557	7
Little Falls..... N. Y.	220-730	28
Macedon..... “	177-689	23
Mechanicsville..... “	17C-39C	402
Mentor..... Ohio	133-645	14

CONTINUED ON NEXT PAGE

# Simplicity, Strength

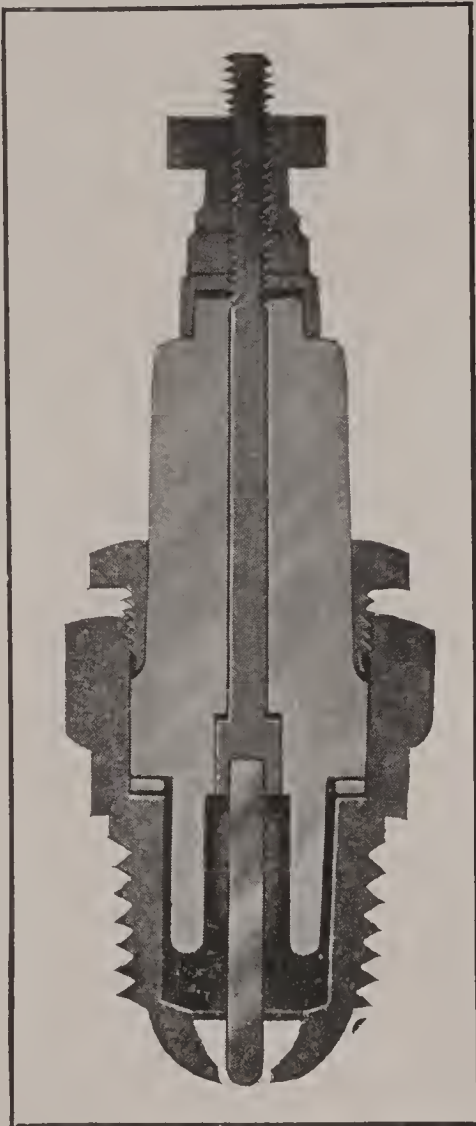
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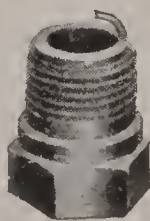
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# INDEX TO TOWNS—Continued

NAME OF TOWN	Photo No.	Plate No.
Mexico. .... Ind.	7A-89A	202
Miami... .. “	16A-80A	202
Mishawaka. .... “	44-546	6
Monroe. .... Mich.	4B-27B	301
Monroeville. .... Ohio	115-621	11
Mycenae. .... N. Y.	207-717	26
Nelliston. .... “	221-730	29
New Carlisle. .... Ind	40-542	5
New Hartford. .... N. Y.	214-724	28
New York City. .... “	286-796	37
Noblesville. .... Ind.	45A-52A	204
North Chili. .... N. Y.	173-683	21
North East. .... Pa.	147-659	17
Norwalk. .... Ohio	117-623	11
Oberlin. .... “	120-626	12
Osceola. .... Ind.	46-546	6
Oneida Castle. .... N. Y.	211-721	27
Ossining. .... “	275-784	36
Palmyra. .... “	179-692	23
Palatine Bridge. .... “	221-730	29
Painesville. .... Ohio	134-647	15
Peekskill. .... N. Y.	266-776	35
Pembroke. .... “	164-677	20
Perrysburg. .... Ind.	6A-89A	202
Peru. .... Ind.	9A-87A	202
Phelps. .... N. Y.	185-700	24
Pittsford. .... “	176-688	22
Plymouth. .... Ind.	3A-92A	201
Port Gibson. .... N. Y.	180-694	23
Portland. .... N. Y.	149-660	17
Poughkeepsie. .... “	250-763	33
Red Hook. .... “	247-760	33
Rensselaer. .... “	231-742	31
Rhinebeck. .... “	247-761	33
Ripley. .... “	148-660	17
Rochester. .... “	174-684	22
Rochester. .... Ind.	4A-91A	202
Saratoga Springs. .... N. Y.	27C-30C	402
Sharpville. .... Ind.	24A-73A	203
Schenectady. .... N. Y.	223-735	30
Schodack Center. .... “	233-744	31

CONTINUED ON NEXT PAGE

# INDEX TO TOWNS--Continued

NAME OF TOWN	Photo No.	Plate No.
Scotia.....N. Y.	223-733	30
Sennett....."	197-710	25
Sheridan....."	149-660	18
Sherill....."	212-722	27
Silver Creek....."	150-661	18
South Bend.....Ind.	{ 42-544 } 2A-94A }	5-6-201
Staatsburg.....N. Y.	249-762	33
St. Johnsville....."	221-730	29
Stockport....."	239-753	32
Stottville....."	241-755	32
Stryker.....Ohio	85-588	9
Stuyvesant Falls.....N. Y.	239-752	32
Sullivan....."	211-720	26
Swanton.....Ohio	96-599	9
Syracuse.....N. Y.	202-715	25-26
Tarrytown....."	275-785	36
Tipton.....Ind.	32A-66A	203
Toledo.....Ohio	{ 104-607 } 1B-32B }	9-10 301
Trenton.....Mich.	9B-23B	302
Upper Red Hook.....N. Y.	247-759	33
Utica....."	215-726	28
Valparaiso.....Ind.	29-529	3
Vernon.....N. Y.	213-723	27
Wakeman.....Ohio	117-623	11
Wappingers Falls.....N. Y.	253-764	34
Waterford....."	15C-41C	401
Waterloo.....Ind.	70-572	8
Wauseon.....Ohio	91-594	9
Wawaka.....Ind.	60-562	7
Wesleyville.....Pa.	147-659	17
Westfield.....N. Y.	148-660	17
West Springfield.....Pa.	143-654	16
Westville.....Ind.	35-534	4
Wheeler....."	25-526	3
Williamsville.....N. Y.	164-677	20
Willoughby.....Ohio	133-644	14
Woodville....."	111-617	10
Wyandotte.....Mich.	10B-21B	302
Yonkers.....N. Y.	277-788	36



# Table of Distances Between Points

## CHICAGO TO SOUTH BEND

FROM — TO	Chicago	Hammond	Highlands	Hobart	Wheeler	Valparaiso	Westville	La Porte	New Carlisle	South Bend
Chicago - - - - -	—	19.6	26.9	39.0	44.8	53.4	64.7	76.5	91.0	106.2
Hammond - - - - -	19.6	—	7.3	19.4	25.2	33.8	45.1	56.9	71.4	86.6
Highlands - - - - -	26.9	7.3	—	12.1	17.9	26.5	37.8	49.6	64.1	79.3
Hobart - - - - -	39.0	19.4	12.1	—	5.8	14.4	25.7	37.5	52.0	67.2
Wheeler - - - - -	44.8	25.2	17.9	5.8	—	8.6	19.9	31.7	46.2	61.4
Valparaiso - - - - -	53.4	33.8	26.5	14.4	8.6	—	11.3	23.1	37.6	52.8
Westville - - - - -	64.7	45.1	37.8	25.7	19.9	11.3	—	11.8	26.3	41.5
La Porte - - - - -	76.5	56.9	49.6	37.5	31.7	23.1	11.8	—	14.5	29.7
New Carlisle - - - - -	91.0	71.4	64.1	52.0	46.2	37.6	26.3	14.5	—	15.2
South Bend - - - - -	106.2	86.6	79.3	67.2	61.4	52.8	41.5	29.7	15.2	—

# TABLE OF DISTANCES

	South Bend	Mishawaka	Osceola	Goshen	Benton	Ligonier	Wawaka	Kendallville	Waterloo	Butler	Edgerton	Bryan	Stryker	Archbold	Wauseon	Delta	Swanton	Toledo
South Bend																		
Mishawaka	4.5																	
Osceola	10.2	5.7																
Goshen	24.8	20.3	14.6															
Benton	32.1	27.6	21.9	7.3														
Ligonier	42.8	38.3	32.6	18.0	10.7													
Wawaka	49.1	44.6	38.9	24.3	17.0	6.3												
Kendallville	61.8	57.3	51.6	37.0	29.7	19.0	12.7											
Waterloo	76.8	72.3	66.6	52.0	44.7	34.0	27.7	15.0										
Butler	84.5	80.0	74.3	59.7	52.4	41.7	35.4	22.7	7.7									
Edgerton	91.7	87.2	81.5	66.9	59.6	48.9	42.6	29.9	14.9	7.2								
Bryan	103.4	98.9	93.2	78.6	71.3	60.6	54.3	41.6	26.6	18.9	11.7							
Stryker	112.1	107.6	101.9	87.3	80.0	69.3	63.0	50.3	35.3	27.6	20.4	8.7						
Archbold	119.3	114.8	109.1	94.5	87.2	76.5	70.2	57.5	42.5	34.8	27.6	15.9	8.7					
Wauseon	129.7	125.2	119.5	104.9	97.6	86.9	80.6	67.9	52.9	45.2	38.0	26.3	17.6	7.2				
Delta	140.6	136.1	130.4	115.8	108.5	97.8	91.5	78.8	63.8	56.1	48.9	37.2	28.5	10.4	10.9			
Swanton	146.0	141.5	135.8	121.2	113.9	103.2	96.9	84.2	69.2	61.5	54.3	42.6	33.9	21.3	16.3	5.4		
Toledo	173.4	168.9	163.2	148.6	141.3	130.6	124.3	111.6	96.6	88.9	81.7	70.0	61.3	54.1	43.7	32.8	27.4	



# TABLE OF DISTANCES

	Toledo	Genoa	Woodville	Fremont	Clyde	Bellview	Monroeville	Norwalk	Townsend	Wakeman	Kipton	Oberlin	Elyria	Ridgeville	Dover	Cleveland
Toledo	14.1	14.1	19.4	33.3	42.3	49.9	58.4	63.5	70.2	74.7	82.5	88.4	97.8	102.6	109.7	123.7
Genoa	19.4	<b>P</b> 5.3	5.3	19.2	28.2	35.8	44.3	49.4	56.1	60.6	68.4	74.3	83.7	88.5	95.6	109.6
Woodville	33.3	<b>H</b> 13.9	13.9	<b>O</b> 9.0	22.9	30.5	39.0	44.1	50.8	55.3	63.1	69.0	78.4	83.2	90.3	104.3
Fremont	42.3	28.2	22.9	9.0	<b>T</b> 9.0	16.6	25.1	30.2	36.9	41.4	49.2	55.1	64.5	69.3	76.4	90.4
Clyde	49.9	35.8	30.5	16.6	7.6	<b>O</b> 7.6	16.1	21.2	27.9	32.4	40.2	46.1	55.5	60.3	67.4	81.4
Bellview	58.4	44.3	39.0	25.1	8.5	8.5	8.5	13.6	20.3	24.8	32.6	38.5	47.9	52.7	59.8	73.8
Monroeville	63.5	49.4	44.1	30.2	5.1	5.1	5.1	11.8	18.5	24.1	32.4	39.4	47.9	55.5	63.5	77.5
Norwalk	70.2	56.1	50.8	36.9	16.1	11.8	6.7	<b>A</b> 6.7	13.6	19.0	27.9	35.8	44.3	53.2	62.1	76.0
Townsend	74.7	60.6	55.3	41.4	24.8	16.3	11.2	4.5	<b>U</b> 4.5	10.7	18.5	26.4	34.3	42.2	50.1	64.0
Wakeman	82.5	68.4	63.1	49.2	40.2	32.6	24.1	19.0	12.3	7.8	<b>T</b> 7.8	15.3	23.1	31.0	38.9	52.8
Kipton	88.4	74.3	69.0	55.1	46.1	38.5	30.0	24.9	18.2	13.7	<b>O</b> 7.8	9.4	17.2	25.1	33.0	46.9
Oberlin	97.8	83.7	78.4	64.5	55.5	47.9	39.4	34.3	27.6	23.1	15.3	9.4	<b>M</b> 9.4	17.2	25.1	39.0
Ridgeville	102.6	88.5	83.2	69.3	60.3	52.7	44.2	39.1	32.4	27.9	20.1	14.2	4.8	<b>A</b> 4.8	11.9	25.9
Dover	109.7	95.6	90.3	76.4	67.4	59.8	51.3	46.2	39.5	35.0	27.2	21.3	11.9	7.1	<b>P</b> 7.1	30.0
Cleveland	123.7	109.6	104.3	90.4	81.4	73.8	65.3	60.2	53.5	49.0	41.2	35.0	25.9	21.1	14.0	<b>S</b> 14.0

# TABLE OF DISTANCES

	Cleveland	Willoughby	Mentor	Painesville	Geneva	Ashtabula	Conneaut	E. Springfield	Girard	Fairview	Erie	Buffalo
Cleveland												
Willoughby	18.8		23.5	29.7	47.5	58.0	71.8	80.4	85.9	90.2	102.1	197.2
Mentor	23.5	4.7		10.9	28.7	39.2	53.0	61.6	67.1	71.4	83.3	178.4
Painesville	29.7	10.9	6.2		17.8	28.3	42.1	50.7	56.2	60.5	72.4	167.5
Geneva	47.5	28.7	24.0	17.8		10.5	24.3	32.9	38.4	42.7	54.6	149.7
Ashtabula	58.0	39.2	34.5	28.3	17.8		13.8	22.4	27.9	32.2	44.1	139.2
Conneaut	71.8	53.0	48.3	42.1	24.3	13.8		8.6	14.1	18.4	30.3	125.4
E. Springfield	80.4	61.6	56.9	50.7	32.9	22.4	8.6		5.5	9.8	21.7	116.8
Girard	85.9	67.1	62.4	56.2	38.4	27.9	14.1	5.5		4.3	16.2	111.3
Fairview	90.2	71.4	66.7	60.5	42.7	32.2	18.4	9.8	4.3		11.9	107.0
Erie	102.1	83.3	78.6	72.4	54.6	44.1	30.3	21.7	16.2	11.9		95.1
Buffalo	197.2	178.4	173.7	167.5	149.7	139.2	125.4	116.8	111.3	107.0	95.1	



# TABLE OF DISTANCES

	Cleveland	Erie	Wesleyville	Harbour Creek	North East	Ripley	Westfield	Portland	Brocton	Fredonia	Sheridan	Silver Creek	Irving	Buffalo
Cleveland		102.1	106.2	110.0	117.2	126.1	133.1	140.3	141.9	148.8	154.7	160.9	164.3	197.2
Erie	102.1		4.1	7.9	15.1	24.0	31.0	38.2	39.8	46.7	52.6	58.8	62.2	95.1
Wesleyville	106.2	4.1		3.8	11.0	19.9	26.9	34.1	35.7	42.6	48.5	54.7	58.1	91.0
Harbour Creek	110.0	7.9	3.8		7.2	16.1	23.1	30.3	31.9	38.8	44.7	50.9	54.3	87.2
North East	117.2	15.1	11.0	7.2		8.9	15.9	23.1	24.7	31.6	37.5	43.7	47.1	80.0
Ripley	126.1	24.0	19.9	16.1	8.9		7.0	14.2	15.8	22.7	28.6	34.8	38.2	71.1
Westfield	133.1	31.0	26.9	23.1	15.9	7.0		7.2	8.8	15.7	21.6	27.8	31.2	64.1
Portland	140.3	38.2	34.1	30.3	23.1	14.2	7.2		1.6	8.5	14.4	20.6	24.0	56.9
Brocton	141.9	39.8	35.7	31.9	24.7	15.8	8.8	1.6		6.9	12.8	19.0	22.4	55.3
Fredonia	148.8	46.7	42.6	38.8	31.6	22.7	15.7	8.5	6.9		5.9	12.1	15.5	48.4
Sheridan	154.7	52.6	48.5	44.7	37.5	28.6	21.6	14.4	12.8	5.9		6.2	9.6	42.5
Silver Creek	160.9	58.8	54.7	50.9	43.7	34.8	27.8	20.6	19.0	12.1	6.2		3.4	36.3
Irving	164.3	62.2	58.1	54.3	47.1	38.2	31.2	24.0	22.4	15.5	9.6	3.4		32.9
Buffalo	197.2	95.1	91.0	87.2	80.0	71.1	64.1	56.9	55.3	48.4	42.5	36.3	32.9	

# TABLE OF DISTANCES

	Buffalo	Batavia	Bergen	Churchville	Rochester	Pittsford	Macedon	Palmyra	Phelps	Auburn	Elbridge	Camillius	Syracuse	Albany
Buffalo														
Batavia	39.6		55.6	59.0	73.4	80.6	92.0	97.2	111.7	138.9	149.6	156.6	165.5	318.0
Bergen	55.6	16.0		19.4	33.8	41.0	52.4	57.6	72.1	99.3	110.0	117.0	125.9	278.4
Churchville	59.0	19.4	3.4		14.4	21.6	33.0	38.2	52.7	79.9	90.6	97.6	106.5	259.0
Rochester	73.4	33.8	17.8	3.4		7.2	18.6	23.8	38.3	65.5	76.2	83.2	92.1	244.6
Pittsford	80.6	41.0	25.0	3.4	14.4		11.4	16.6	31.1	58.3	69.0	76.0	84.9	237.4
Macedon	92.0	52.4	36.4	33.0	18.6	11.4		5.2	19.7	46.9	57.6	64.6	73.5	226.0
Palmyra	97.2	57.6	41.6	38.2	23.8	16.6	5.2		14.5	41.7	52.4	59.4	68.3	220.8
Phelps	111.7	72.1	56.1	52.7	38.3	31.1	19.7	14.5		27.2	37.9	44.9	53.8	206.3
Auburn	138.9	99.3	83.3	79.9	65.5	58.3	46.9	41.7	27.2		10.7	17.7	26.6	179.1
Elbridge	149.6	110.0	94.0	90.6	76.2	69.0	57.6	52.4	37.9	10.7		7.0	15.9	168.4
Camillius	156.6	117.0	101.0	97.6	83.2	76.0	64.6	59.4	44.9	17.7	7.0		8.9	161.4
Syracuse	165.5	125.9	109.9	106.5	92.1	84.9	73.5	68.3	53.8	26.6	15.9	8.9		152.5
Albany	318.0	278.4	262.4	259.0	244.6	237.4	226.0	220.8	206.3	179.1	168.4	161.4	152.5	

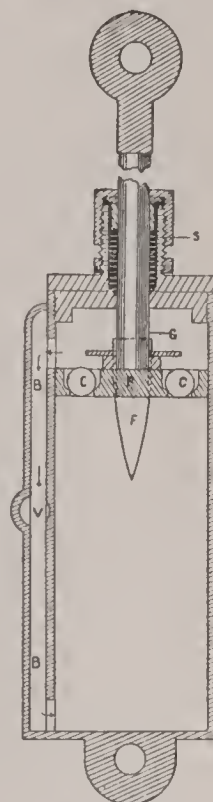


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Ross, Cal.



	Buffalo	Syracuse	Fayetteville	Chittenango	Canastota	Oneida Castle	Kirkland	New Hartford	Utica	Herkimer	Little Falls	St. Johnsville	Fonda	Amsterdam	Schenectady	Albany
Buffalo	<b>P</b> 165.5 172.8 180.8 187.5 193.2 207.0 211.8 215.3 231.4 238.4 256.3 276.7 287.4 303.0 318.0	165.5 <b>H</b> 7.3 15.3 22.0 27.7 41.5 46.3 49.8 65.9 72.9 90.8 111.2 121.9 137.5 152.5	172.8 7.3 <b>O</b> 8.0 14.7 22.4 36.2 39.0 42.5 58.6 65.6 83.5 103.9 114.6 130.2 145.2	180.8 15.3 <b>T</b> 8.0 6.7 12.4 26.2 31.0 34.5 50.6 57.6 75.5 95.9 106.6 122.2 137.2	187.5 22.0 14.7 6.7 <b>O</b> 5.7 19.5 24.3 27.8 43.9 50.9 68.8 89.2 99.9 115.5 130.5	193.2 27.7 22.4 5.7 13.8 18.6 22.1 38.2 45.2 63.1 83.5 94.2 109.8 124.8	207.0 41.5 36.2 26.2 19.5 24.3 31.0 34.5 50.6 57.6 75.5 95.9 106.6 122.2 137.2	211.8 46.3 39.0 31.0 24.3 18.6 4.8 3.5 <b>U</b> 19.6 26.6 44.5 64.9 75.6 91.2 106.2	215.3 49.8 42.5 34.5 27.8 22.1 8.3 3.5 <b>T</b> 16.1 23.1 41.0 61.4 72.1 87.7 102.7	231.4 65.9 58.6 50.6 43.9 38.2 24.4 19.6 16.1 7.0 <b>O</b> 24.9 45.3 56.0 71.6 86.6	238.4 72.9 65.6 57.6 50.9 45.2 31.4 26.6 23.1 7.0 <b>O</b> 17.9 38.3 49.0 64.6 79.6	256.3 90.8 83.5 75.5 68.8 63.1 49.3 44.5 41.0 24.9 17.9 <b>M</b> 20.4 31.1 56.7 71.7	276.7 111.2 103.9 95.9 89.2 83.5 75.6 64.9 56.0 49.0 31.1 <b>A</b> 10.7 26.3 41.3	287.4 121.9 114.6 106.6 99.9 94.2 80.4 75.6 72.1 64.9 56.0 49.0 31.1 26.3 30.6	303.0 137.5 130.2 122.2 115.5 109.8 96.0 91.2 87.7 71.6 56.7 26.3 15.6 15.0	318.0 152.5 145.2 137.2 130.5 124.8 111.0 106.2 102.7 86.6 79.6 71.7 41.3 30.6 15.0

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# WINESTOCK SPARK PLUGS

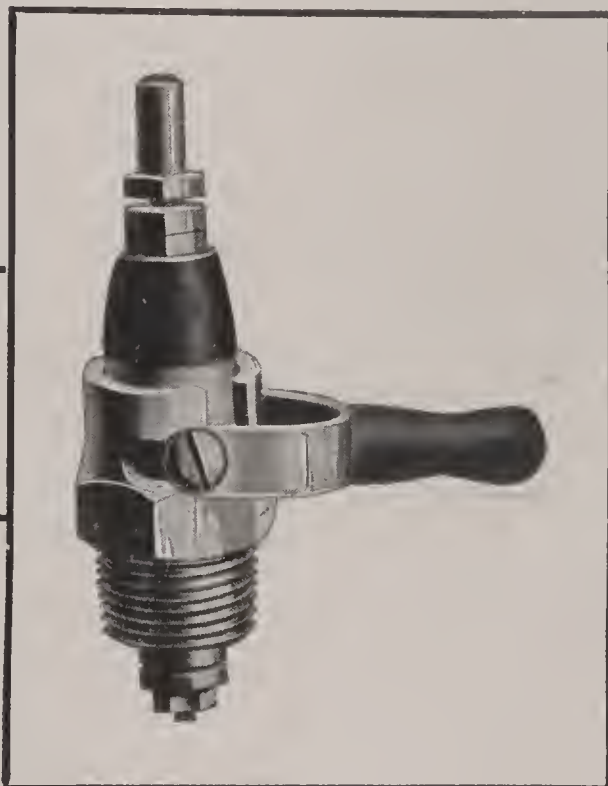
(QUICK DETACHABLE)

## DON'T SKIP

Only quick detachable plug containing both terminals in the detachable member.

Absolutely will not leak compression

Positively will not work loose.



PRICE

\$1.75

“Absolutely  
Guaranteed”

Gives the hottest spark of any plug made.

Non-breakable insulation.

Adjustable spark gap—once adjusted, always adjusted.

You can't imagine the convenience of a detachable plug until you have used one, it gives you a chance to examine your spark without using a wrench.

FOR SALE BY ALL FIRST-CLASS DEALERS

**KNAPP-GREENWOOD COMPANY**

1000 Boylston Street - - BOSTON, MASS.

# TABLE OF DISTANCES

	Albany	Rensselaer	Schodack Center	Kinderhook	Stuyvesant Falls	Hudson	Blue Store	Upper Red Hook	Red Hook	Rhinebeck	Staatsburg	Hyde Park	Poughkeepsie	New York City
Albany														
Rensselaer	1.0	1.0	7.3	20.9	24.5	33.5	43.0	49.8	52.5	58.2	64.2	68.3	74.4	149.8
Schodack Center	7.3	6.3		19.9	23.5	32.5	42.0	48.8	51.5	57.2	63.2	67.3	73.4	148.8
Kinderhook	20.9	19.9	13.6		17.2	26.2	35.7	42.5	45.2	50.9	56.9	61.0	67.1	142.5
Stuyvesant Falls	24.5	23.5	13.6	3.6		9.0	18.5	25.3	28.0	33.7	39.7	43.8	49.9	125.3
Hudson	33.5	32.5	26.2	12.6	9.0		9.5	16.3	19.0	24.7	30.7	34.8	40.9	116.3
Blue Store	43.0	42.0	35.7	22.1	18.5	9.5		6.8	9.5	15.2	21.2	25.3	31.4	106.8
Upper Red Hook	49.8	48.8	42.5	28.9	25.3	16.3	6.8		2.7	8.4	14.4	18.5	24.6	100.0
Red Hook	52.5	51.5	45.2	31.6	28.0	19.0	9.5	2.7		5.7	11.7	15.8	21.9	97.3
Rhinebeck	58.2	57.2	50.9	37.3	33.7	24.7	15.2	8.4	5.7		6.0	10.1	16.2	91.6
Staatsburg	64.2	63.2	56.9	43.3	39.7	30.7	21.2	14.4	11.7	6.0		4.1	10.2	85.6
Hyde Park	68.3	67.3	61.0	47.4	43.8	34.8	25.3	18.5	15.8	10.1	4.1		6.1	81.5
Poughkeepsie	74.4	73.4	67.1	53.5	49.9	40.9	31.4	24.6	21.9	16.2	10.2	6.1		75.4
New York City	149.8	148.8	142.5	128.9	125.3	116.3	106.8	100.0	97.3	91.6	85.6	81.5	75.4	



# DETROIT and SOUTH BEND OR ANYWHERE

An *abundance* of *enjoyable* features along the road, but an *over abundance* of *menacing* features on the road. Chances are a *thousand* to *one* in favor of the *menacing* features winning out — unless you squelch them.

*You* know that a succession of punctures and blow-outs will spoil the effect of *any trip* and ruffle the temper of a Saint—besides—tearing *big* holes in the pocket-book.

The *best* move *you* can make, *before* taking *any* trip—a block or a thousand miles—is to have your tires treated with

## **KEMIZITE**

### ***It Heals Punctures***

The only absolute-harmless-permanent puncture healer

#### ***Guaranteed "Money Back" Basis***

Clean — odorless  
Not a cement  
Not gummy  
Not sticky  
Not a filler

Only small quantity needed  
Does not reduce resiliency  
Does not interfere with vulcanization  
Eliminates 75% of blow-outs  
Increases mileage

***Proportion — 5% Kemizite — 95% Air***

*Thousands* of auto owners are using *KEMIZITE* with *absolute satisfaction*. More down right enjoyment than they ever experienced with tires before, and at greatly *decreased* expense.

*This* is the move for *you* to make. No matter what you *remember* of the *past*—*do this now*. Investigate *KEMIZITE*—satisfy yourself. Remember a "money back" guarantee goes with it.

**AUTO TIRE-SECURITY COMPANY**

1231 Michigan Ave.      =      =      =      =      Chicago

# TABLE OF DISTANCES

	New York City	Yonkers	Hastings	Dobbs Ferry	Irvington	Tarrytown	Ossining	Croton	Peekskill	Cold Spring	Fishkill Village	WappingersFalls	Poughkeepsie	Albany
New York City														
Yonkers	14.2													
Hastings	18.7	4.5												
Dobbs Ferry	20.2	6.0	1.5											
Irvington	21.4	7.2	2.7	1.2										
Tarrytown	24.5	10.3	5.8	4.3	3.1									
Ossining	30.6	16.4	11.9	10.4	9.2	6.1								
Croton	34.3	20.1	15.6	14.1	12.9	9.8	3.7							
Peekskill	42.1	27.9	23.4	21.9	20.7	17.6	11.5	7.8						
Cold Spring	53.5	39.3	34.8	33.3	32.1	29.0	22.9	19.2	11.4					
Fishkill Village	62.7	48.5	44.0	42.5	41.3	38.2	32.1	28.4	20.6	9.2				
WappingersFalls	67.8	53.6	49.1	47.6	46.4	43.3	37.2	33.5	25.7	20.6	9.2			
Poughkeepsie	75.4	61.2	56.7	55.2	54.0	50.9	44.8	41.1	33.3	25.7	20.6	9.2		
Albany	149.8	135.6	131.1	129.6	128.4	125.3	119.2	115.5	107.7	96.3	87.1	74.4		



# Table of Mileage

				MILES
South Bend	to	Lakeville	.	10.5
"	"	Lapaz	.	16.3
"	"	Plymouth	.	24.5
"	"	Argos	.	32.6
"	"	Rochester	.	44.5
"	"	Perrysburg	.	58.1
"	"	Mexico	.	63.9
"	"	Peru	.	69.8
"	"	Bunker Hill	.	78.7
"	"	Miami	.	82.5
"	"	Kokomo	.	93.0
"	"	Sharpsville	.	102.8
"	"	Tipton	.	112.5
"	"	Atlanta	.	118.4
"	"	Arcadia	.	122.0
"	"	Cicero	.	125.2
"	"	Noblesville	.	131.5
"	"	Indianapolis	.	155.2
Indianapolis	to	Noblesville	.	23.7
"	"	Cicero	.	30.0
"	"	Arcadia	.	33.2
"	"	Atlanta	.	36.8
"	"	Tipton	.	42.7
"	"	Sharpsville	.	52.4
"	"	Kokomo	.	62.2
"	"	Miami	.	72.7
"	"	Bunker Hill	.	76.5
"	"	Peru	.	85.4
"	"	Mexico	.	91.3
"	"	Perrysburg	.	97.1
"	"	Rochester	.	110.7
"	"	Argos	.	122.6
"	"	Plymouth	.	130.7
"	"	Lapaz	.	138.9
"	"	Lakeville	.	144.7
"	"	South Bend	.	155.2

# Table of Distances

	MILES
South Bend to Lakeville . . .	10.5
Lakeville to Lapaz . . . . .	5.8
Lapaz to Plymouth . . . . .	8.2
Plymouth to Argos . . . . .	8.1
Argos to Rochester . . . . .	11.9
Rochester to Perrysburg . . . .	13.6
Perrysburg to Mexico . . . . .	5.8
Mexico to Peru . . . . .	5.9
Peru to Bunker Hill . . . . .	8.9
Bunker Hill to Miami . . . . .	3.8
Miami to Kokomo . . . . .	10.5
Kokomo to Sharpsville . . . . .	9.8
Sharpsville to Tipton . . . . .	9.7
Tipton to Atlanta . . . . .	5.9
Atlanta to Arcadia . . . . .	3.6
Arcadia to Cicero . . . . .	3.2
Cicero to Noblesville . . . . .	6.3
Noblesville to Indianapolis . .	23.7



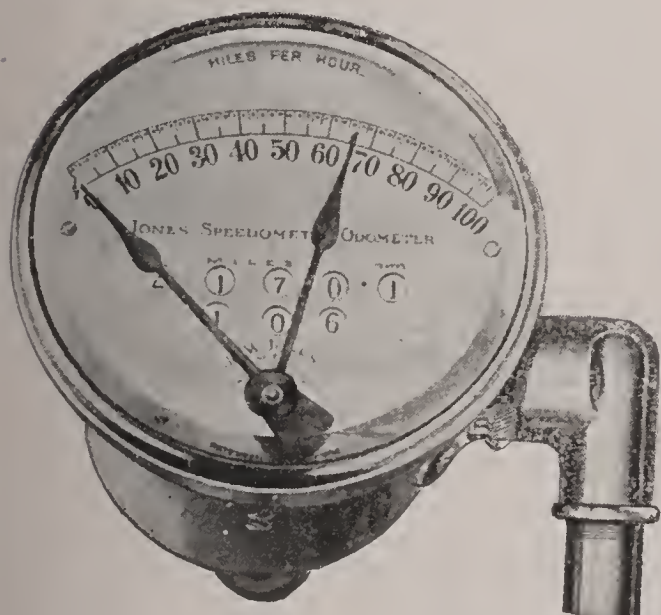
# TURN TO RIGHT AND STOP



If your car is not equipped with a reliable speed-indicator. No use touring without the famous

## JONES SPEEDOMETER

The BEST speed-indicator on the market. The PIONEER. The Winner of the R. A. C. Gold Medal for ACCURACY. The Jones is indispensable when touring because—it is absolutely reliable and dependable. It is used by the majority of motorists the world over. It is part equipment of practically every car on tour. See that you have a Jones on your dash. By means of the Odometer you can compute the distance cited on the maps—and you KNOW your speed at all times under all conditions.



*Write for folder containing illustrations and prices of all models.*

**Jones Speedometer Dept.  
United Manufacturers, Inc.**

Broadway and 76th Street

New York

# Table of Distances

## TOLEDO—DETROIT

	MILES
Toledo to Erie . . . . .	11.1
“ “ Monroe . . . . .	20.9
“ “ Trenton . . . . .	41.7
“ “ Wyandotte . . . . .	46.2
“ “ Detroit . . . . .	57.0

Detroit to Wyandotte . . . . .	10.8
“ “ Trenton . . . . .	15.3
“ “ Monroe . . . . .	36.1
“ “ Erie . . . . .	45.9
“ “ Toledo . . . . .	57.0

Toledo to Erie . . . . .	11.1
Erie to Monroe . . . . .	9.8
Monroe to Trenton . . . . .	20.8
Trenton to Wyandotte . . . . .	4.5
Wyandotte to Detroit . . . . .	10.8



# Table of Mileage

ALBANY—SARATOGA SPRINGS

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	MILES
Albany to Cohoes . . . . .	12.2
“ “ Waterford . . . . .	14.2
“ “ Mechanicsville . . . . .	22.6
“ “ Maltaville . . . . .	28.6
“ “ Dunning Street . . . . .	30.8
“ “ Saratoga Springs . . . . .	38.6
Saratoga Springs to Dunning Street . . . . .	7.8
“ “ “ Maltaville . . . . .	10.0
“ “ “ Mechanicsville . . . . .	16.0
“ “ “ Waterford . . . . .	24.4
“ “ “ Cohoes . . . . .	26.4
“ “ “ Albany . . . . .	38.6

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# Table of Distances

ALBANY—SARATOGA SPRINGS

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	MILES
Albany to Cohoes . . . . .	12.2
Cohoes to Waterford . . . . .	2.0
Waterford to Mechanicsville . . . . .	8.4
Mechanicsville to Maltaville . . . . .	6.0
Maltaville to Dunning Street . . . . .	2.2
Dunning Street to Saratoga Springs . . . . .	7.8

# VIVAX STORAGE BATTERIES



6 VOLT 80 AMPERES  
SPECIALLY BUILT FOR  
LIGHTING PURPOSES

PRICE-----\$24.00

---

WE GUARANTEE SATISFACTION

---

## Why The "VIVAX" Excels

Mechanical Strength; Perfect Insulation; Compact and Clean;  
No Corrosion of Terminals; Free from Mechanical Defects, or  
Faulty Workmanship.

The "VIVAX" Battery is especially built to withstand  
the constant jar of the Automobile and may be used on the  
heaviest truck or the lightest pleasure Vehicle.

## VIVAX IGNITION BATTERIES

---

6 Volt 60 Amperes.....	\$20.00
6 Volt Special .....	15.00
6 Volt Junior .....	11.50



Manufactured by

## VIVAX STORAGE BATTERY CO.

2224-2234 Michigan Avenue

- CHICAGO, ILLINIOS



# Population of Towns

CHICAGO—SOUTH BEND

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---

Chicago	.	.	.	2,049,185
Hammond	.	.	.	15,956
Highlands	.	.	.	25
Hobart	.	.	.	1,390
Wheeler	.	.	.	100
Valparaiso	.	.	.	6,280
Westville	.	.	.	468
La Porte	.	.	.	7,113
New Carlisle	.	.	.	597
South Bend	.	.	.	36,000







# Population of Towns

CLEVELAND—BUFFALO

---

Cleveland, O.	.	.	.	381,768
Willoughby, O.	.	.	.	1,753
Mentor, O.	.	.	.	624
Painesville, O.	.	.	.	5,024
Geneva, O.	.	.	.	2,342
Ashtabula, O.	.	.	.	12,949
Conneaut, O.	.	.	.	7,133
West Springfield, Pa.	.	.	.	203
East Springfield, Pa.	.	.	.	591
Girard, Pa.	.	.	.	691
Fairview, Pa.	.	.	.	327
Erie, Pa.	.	.	.	52,733
Wesleyville, Pa.	.	.	.	567
Harbour Creek, Pa.	.	.	.	161
North East, Pa.	.	.	.	2,068
Ripley, N.Y.	.	.	.	810
Westfield, N.Y.	.	.	.	2,430
Portland, N.Y.	.	.	.	552
Brocton, N.Y.	.	.	.	900
Fredonia, N.Y.	.	.	.	4,127
Sheridan, N.Y.	.	.	.	100
Silver Creek, N.Y.	.	.	.	1,944
Irving, N.Y.	.	.	.	50
Buffalo, N.Y.	.	.	.	352,387

# Population of Towns

BUFFALO—SYRACUSE

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Buffalo . . . . .	352,387
Snyder . . . . .	50
Williamsville . . . . .	905
Clarence . . . . .	670
Pembroke . . . . .	310
East Pembroke . . . . .	405
Batavia . . . . .	9,180
Byron . . . . .	342
Bergen . . . . .	624
Churchville . . . . .	505
North Chili . . . . .	101
Rochester . . . . .	162,608
Pittsford . . . . .	1,000
Egypt . . . . .	162
Macedon . . . . .	592
Palmyra . . . . .	1,937
Port Gibson . . . . .	50
Phelps . . . . .	1,306
West Junius . . . . .	29
Magee Corners . . . . .	61
Auburn . . . . .	30,345
Sennett . . . . .	403
Elbridge . . . . .	549
Camillius . . . . .	567
Syracuse . . . . .	108,374



# Population of Towns

SYRACUSE—ALBANY

Syracuse	.	.	.	.	.	.	117,493
De Witt	.	.	.	.	.	.	2,509
Fayetteville		.	.	.	.	.	1,304
Mycenae	.	.	.	.	.	.	50
Chittenango		.	.	.	.	.	787
Sullivan	.	.	.	.	.	.	159
Canastota	.	.	.	.	.	.	3,030
Oneida	.	.	.	.	.	.	3,420
Oneida Castle		.	.	.	.	.	291
Sherill	.	.	.	.	.	.	230
Vernon	.	.	.	.	.	.	380
Kirkland	.	.	.	.	.	.	132
New Hartford		.	.	.	.	.	1,007
Utica	.	.	.	.	.	.	62,935
Deerfield	.	.	.	.	.	.	691
West Shuyler		.	.	.	.	.	261
East Shuyler		.	.	.	.	.	108
Frankfort	.	.	.	.	.	.	2,664
Ilion	.	.	.	.	.	.	5,138
Herkimer	.	.	.	.	.	.	5,555
Little Falls		.	.	.	.	.	11,122
St. Johnsville		.	.	.	.	.	1,873
Nelliston	.	.	.	.	.	.	634
Palatine Bridge		.	.	.	.	.	360
Fonda	.	.	.	.	.	.	1,145
Amsterdam		.	.	.	.	.	23,923
Scotia	.	.	.	.	.	.	361
Schenectady		.	.	.	.	.	58,369
Albany	.	.	.	.	.	.	98,370

# Population of Towns

ALBANY—NEW YORK CITY

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Albany	.	.	.	.	.	.	98,370
Rensselaer	.	.	.	.	.	.	10,715
Schodack Center	.	.	.	.	.	.	102
Kinderhook	.	.	.	.	.	.	913
Stuyvesant Falls	.	.	.	.	.	.	792
Stockport	.	.	.	.	.	.	481
Stottville	.	.	.	.	.	.	1,069
Hudson	.	.	.	.	.	.	10,290
Blue Store	.	.	.	.	.	.	134
Upper Red Hook	.	.	.	.	.	.	75
Red Hook	.	.	.	.	.	.	857
Rhinebeck	.	.	.	.	.	.	1,449
Staatsburg	.	.	.	.	.	.	479
Hyde Park	.	.	.	.	.	.	2,873
Poughkeepsie	.	.	.	.	.	.	25,379
Wappingers Falls	.	.	.	.	.	.	3,504
Fishkill Village	.	.	.	.	.	.	589
Nelsonville	.	.	.	.	.	.	624
Cold Spring	.	.	.	.	.	.	2,067
Peekskill	.	.	.	.	.	.	10,562
Buchanan	.	.	.	.	.	.	75
Croton	.	.	.	.	.	.	100
Ossining	.	.	.	.	.	.	7,939
Tarrytown	.	.	.	.	.	.	4,770
Irvington	.	.	.	.	.	.	2,231
Dobbs Ferry	.	.	.	.	.	.	2,888
Hastings	.	.	.	.	.	.	2,002
Yonkers	.	.	.	.	.	.	61,716
New York City	.	.	.	.	.	.	4,014,304

# Population of Towns

ALBANY—SARATOGA SPRINGS

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Albany	.	.	.	.	98,360
Cohoes	.	.	.	.	24,183
Waterford	.	.	.	.	3,146
Mechanicsville	.	.	.	.	4,695
Maltaville	.	.	.	.	92
Dunning Street	.	.	.	.	50
Saratoga Springs	.	.	.	.	12,538



# Population of Towns

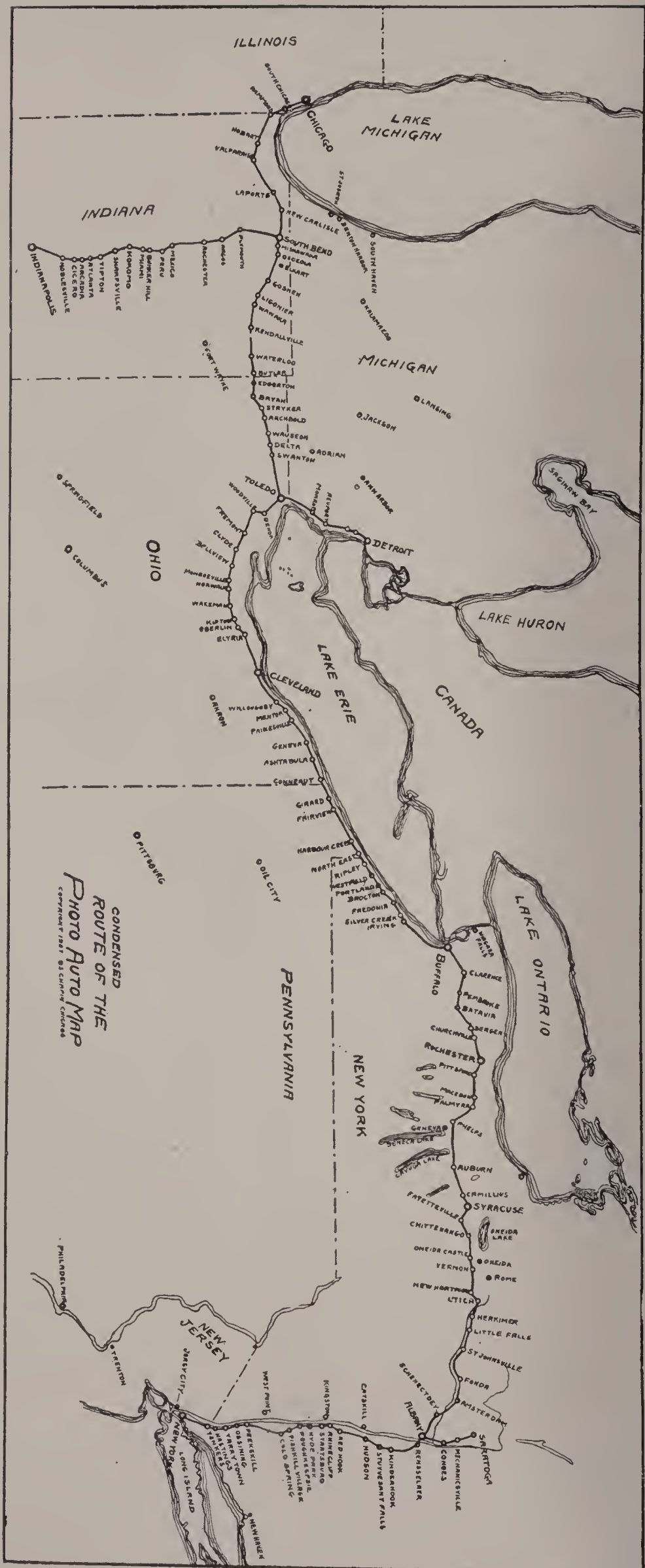
SOUTH BEND—INDIANAPOLIS

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South Bend	.	.	.	.	.	36,000
Lapaz	.	.	.	.	.	400
Plymouth	.	.	.	.	.	3,656
Argos	.	.	.	.	.	1,307
Rochester	.	.	.	.	.	3,421
Perrysburg	.	.	.	.	.	700
Mexico	.	.	.	.	.	500
Peru	.	.	.	.	.	11,648
Bunker Hill	.	.	.	.	.	568
Miami	.	.	.	.	.	390
Kokomo	.	.	.	.	.	12,019
Sharpsville	.	.	.	.	.	650
Tipton	.	.	.	.	.	3,764
Atlanta	.	.	.	.	.	1,500
Arcadia	.	.	.	.	.	1,413
Cicero	.	.	.	.	.	1,603
Noblesville	.	.	.	.	.	4,792
Indianapolis	.	.	.	.	.	219,154

# Condensed Route of the Photo-Auto Maps



# PHOTO-AUTO MAPS

NEW YORK TO CHICAGO



No. 796



## HOTEL WOLCOTT

31st STREET AND 5th AVENUE

STARTING POINT for run from New York to Albany

It is a matter of much pride and gratification to Mr. Breslin that his business has always been derived entirely from people of culture, which gave to his establishments an atmosphere of class not to be found in the ordinary hotel, and as it is and always has been a difficult problem for people of refinement to find a quiet, comfortable house, it is evident that the Wolcott, combining all these advantages in addition to its unsurpassed location and the character of its patrons, will make it an ideal home for either the New Yorker or the transient visitor to the city. Leave the Wolcott on the LEFT and go West on 31st Street to Broadway (photo No. 795).

No. 795



31ST STREET AND BROADWAY

Turn RIGHT from 31st Street into Broadway. Next photo Broadway and 42nd Street, eight-tenths of a mile.

memo .....

.....

.....

No. 794



BROADWAY AND 42ND STREET

Continue NORTH on Broadway. Next photo Broadway and 58th Street, six-tenths of a mile.



No. 793



### BROADWAY AND 58TH STREET

Turn RIGHT around circle and continue North on Broadway.  
Entrance to Central Park on right. Next photo at Broadway and 72nd Street, seven-tenths of a mile.

Memo .....

.....

No. 792



### BROADWAY AND 72ND STREET

Turn LEFT from Broadway into 72nd Street. Pass building marked with star on right. Next photo two blocks.



No. 791



### 72ND STREET AND RIVERSIDE DRIVE

Turn RIGHT from 72nd Street into Riverside Drive, follow Drive to 145th Street, turn sharp to right one block to Broadway, then turn left to 158th Street, from 158th Street turn left to Lafayette Boulevard to next photo, seven and three-tenths miles from this photo.

Memo.....

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No. 790



Turn LEFT from Lafayette Boulevard into Broadway. Next photo one and three-tenths miles.

No. 789



### BROADWAY AND 230TH STREET

Turn LEFT from Broadway into 230th Street. Next photo at end of street, four-tenths of a mile.

Memo

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No. 788



Turn RIGHT at end of street. Yonkers four miles. Hastings eight and four-tenths miles. Next photo in Dobbs Ferry, nine and two-tenths miles.



No. 787



DOBBS FERRY

STRAIGHT AHEAD in Dobbs Ferry. Next photo seven-tenths of a mile.

Memo .....

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No. 786



Turn LEFT. Church on left. Irvington one and eight-tenths miles. Next photo in Tarrytown, four and eight-tenths miles.



No. 785



### TARRYTOWN

Turn LEFT and down hill at fork in Tarrytown. Next photo in Ossining, five and five-tenths miles.

Memo .....

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No. 784



### OSSINING

Take LEFT fork and go down hill. Next photo six-tenths of a mile.

No. 783



Take LEFT road at fork. Next photo one and eight-tenths miles.

Memo .....

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No. 782



Turn LEFT. Schoolhouse on left. Croton one and three-tenths miles. Next photo three and seven-tenths miles.



No. 781



Turn LEFT after crossing small bridge. Next photo five tenths of a mile.

Memo .....

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No. 780



Turn LEFT at three corners. Next photo in Buchanan two and four-tenths miles.



No. 779



BUCHANAN

Turn RIGHT with car tracks in Buchanan. Next photo six-tenths of a mile.

Memo .....

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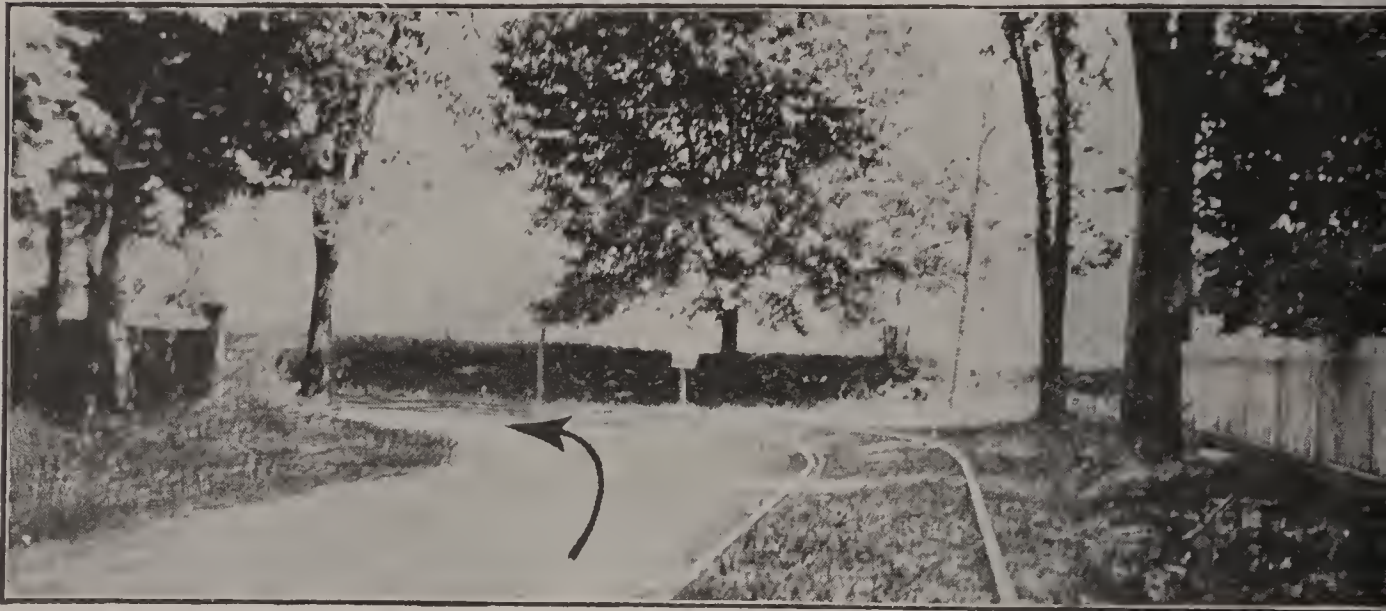
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No. 778



Turn RIGHT with car tracks. Next photo at end of road, four-tenths of a mile.

No. 777



Turn LEFT with car tracks at end of road. Next photo is Peekskill, one and three-tenths miles.

Memo .....

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No. 776



## PEEKSKILL

Turn RIGHT with car tracks in Peekskill. Garage of John L. Silleck on RIGHT-hand side of street after making this turn. This is the best garage in town. Repairs and supplies of all kinds. Next photo two-tenths of a mile.



No. 775



Turn LEFT at end of street. Follow car tracks. Next photo three-tenths of a mile.

Remo .....

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No. 774



Turn LEFT at fork. Leave car tracks. Next photo nine-tenths of a mile.



No. 773



Turn LEFT after crossing bridge. Next photo one and eight tenths miles.

Memo .....

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No. 772



Turn RIGHT and leave wires. Next photo one and three tenths miles.

No. 771



Turn to LEFT at fork. Next photo at cross-roads, two and nine-tenths miles.

emo .....

No. 770



Turn RIGHT at cross-roads. Next photo three and seven-tenths miles.



No. 769



Keep to RIGHT and leave wires. Next photo in Cold Spring  
five-tenths of a mile.

Memo .....

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No. 768



### COLD SPRING

Turn RIGHT at end of street in Cold Spring. Next photo  
in Nelsonville, four-tenths of a mile.



No. 767



NELSONVILLE

Take LEFT fork in Nelsonville. Next photo two and five-tenths miles.

emo .....

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No. 766



Keep to the LEFT. Next photo two and four-tenths miles.

No. 765



Keep to the LEFT. Next photo in Fishkill Village, three and nine-tenths miles.

Memo .....

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No. 764



### FISHKILL VILLAGE

Turn RIGHT in Fishkill opposite Mansion House. Wapping Falls four and nine-tenths miles. Next photo at end of street in Poughkeepsie, twelve and eight-tenths miles.



No. 763



### POUGHKEEPSIE

turn LEFT at end of Market Street into Main Street, then turn right into next street (Washington Street). Next photo for Albany (No. 762) one and nine-tenths miles. For the Morgan House and Van's Garage turn right at this photo (No. 763.)

emo .....

No. 762



keep to the LEFT. Hyde Park four and three-tenths miles. Staatsburg eight and four-tenths miles. Next photo fourteen miles.





MORGAN HOUSE, POUGHKEEPSIE, N. Y.

The best hotel in the city. Run on both the American and European plan. The only grill room in the city. Everything first-class. Garage just back of hotel.

Memo



## VAN'S GARAGE

14-20 CATHERINE STREET

Just back of the Morgan House. Storage, supplies, and repairs. Agents for the Thomas, Packard, Pope-Toledo, Stevens-Duryea, Auto-Car and Oldsmobile. Private charging plant.

emo .....

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No. 761



Keep to the RIGHT. Rhinebeck four-tenths of a mile  
Next photo one and six-tenths miles.

Memo .....

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No. 760



Keep to the RIGHT. Red Hook one and five-tenths mile  
Next photo in Upper Red Hook, seven and three-tenths  
miles.

No. 759



### UPPER RED HOOK

Keep to the LEFT. Next photo in Blue Store, six and eight tenths miles.

Memo .....

No. 758



### BLUE STORE

Turn LEFT at Blue Store. Next photo in Hudson, nine and five-tenths miles.



No. 757



### HUDSON

Keep to the RIGHT at edge of Hudson. Next photo four tenths of a mile. For main part of Hudson, turn left at this photo.

Memo .....

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No. 756



Turn LEFT with car tracks. Next photo seven-tenths of mile.

No. 755



STRAIGHT AHEAD. Stottville two and five-tenths miles.  
Next photo four and one-tenth miles.

memo .....

No. 754



Turn RIGHT. Next photo three-tenths of a mile.



No. 753



Turn RIGHT at road house. Stockport five-tenths of a mile.  
Next photo in Stuyvesant Falls, three and six-tenths miles.

Memo .....

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No. 752



### STUYVESANT FALLS

Turn RIGHT after crossing bridge. Next photo one mile.

No. 751



Take RIGHT road at fork. Next photo six-tenths of a mile.

Memo.....

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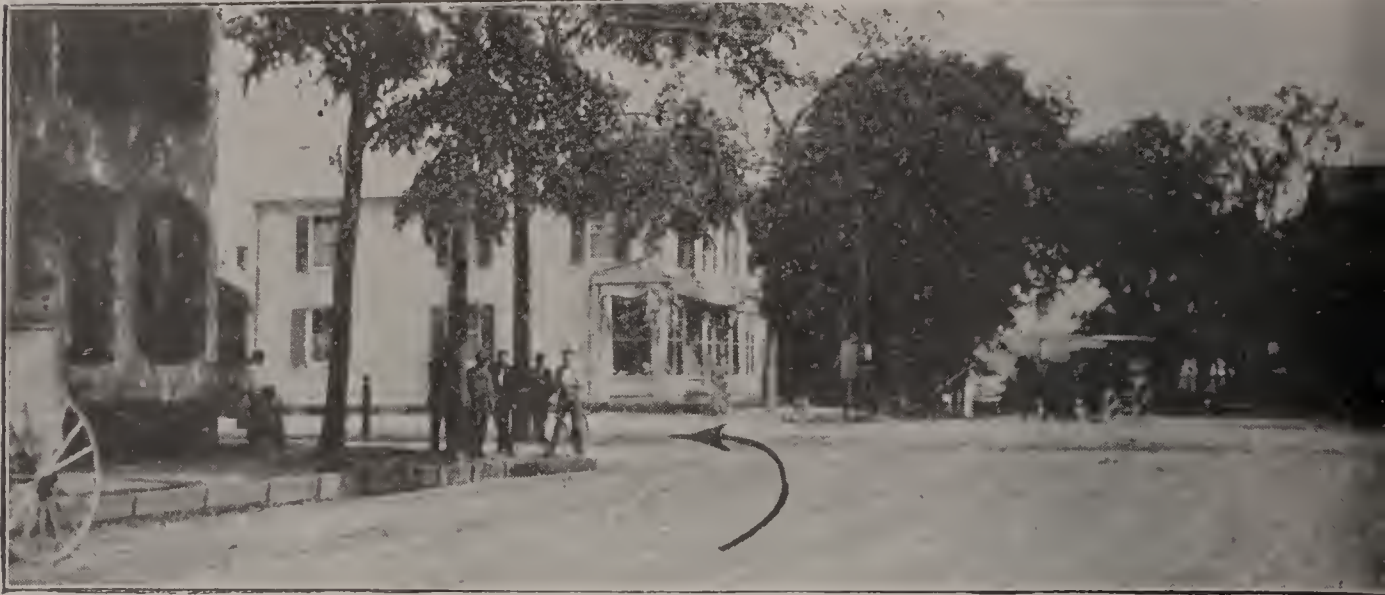
No. 750



Take LEFT road at fork. Next photo in Kinderhook, two miles.



No. 749



### KINDERHOOK

Turn LEFT from Main Street. Next photo one and four tenths miles.

Memo .....

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No. 748



Turn RIGHT at fork. Next photo one and one-tenth miles

No. 747



Turn LEFT at fork. Next photo seven and six-tenths miles.

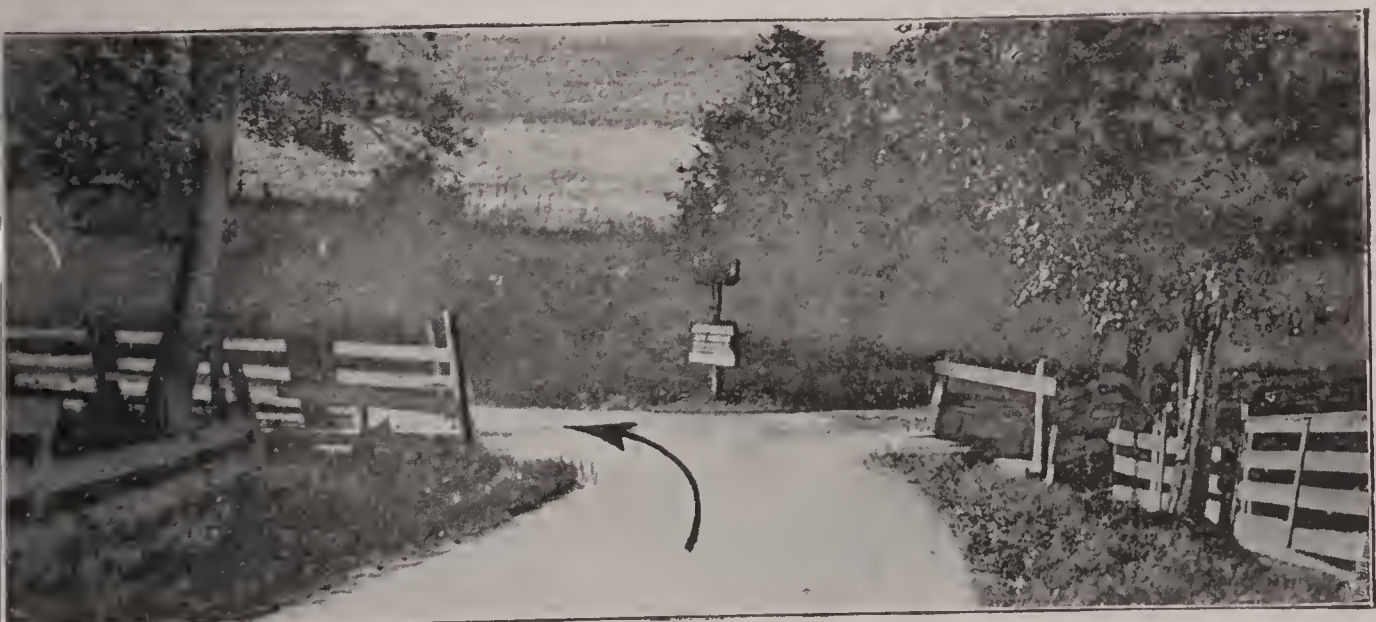
emo .....

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No. 746



Turn LEFT at end of road. Next photo three-tenths of a mile.



No. 745



Turn RIGHT at fork. Next photo two and two-tenths mi

Memo .....

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No. 744



Turn LEFT. Next photo in Rensselaer, seven and six-ten  
miles.

No. 743



RENSSELAER

Turn RIGHT at fork in car tracks. Next photo eight-tenths of a mile.

Remo .....

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No. 742



Turn LEFT with car tracks and cross bridge over the Hudson River. Next photo in Albany, four-tenths of a mile.



No. 741



### ALBANY

Make "S" turn to LEFT on leaving bridge and go West South Ferry Street. Next photo at end of street, two tenths of a mile.

Memo .....

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No. 740



Turn RIGHT at end of South Ferry Street into Pearl Street. Next photo five-tenths of a mile.

No. 739



Turn LEFT from Pearl Street into State Street. Hotel Ten Eyck (photo No. 738) one block.

mo



No. 738



## THE TEN EYCK, ALBANY, N. Y.

FINISHING POINT for run from New York to Albany.  
The most attractive hotel in New York State. Fireproof.  
European plan. Near State Capitol and other points  
of interest.

Memo.....

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## ALBANY GARAGE CO.

28-30 HOWARD STREET

solutely fireproof. Storage, repairs and supplies. Agents  
or the Peerless, Stevens-Duryea, Thomas, Matheson,  
sotta Frascini and the S. & M. Simplex. Leave the Ten  
Eyck on the RIGHT and go up State Street to first street  
on left. Turn left into Lodge Street. Go one block and  
turn left into Howard Street. Garage on right-hand side  
of street.

mo



No. 737



ALBANY

Turn RIGHT at end of State Street. Then turn left in next street. State Capitol on left. Next photo six-tenths of a mile.

Memo .....

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No. 736



Take RIGHT street at fork. Next photo in Schenectady fourteen and seven-tenths miles.

No. 735



### SCHENECTADY

Turn RIGHT at end of street. Next photo at end of bridge,  
four-tenths of a mile.

mo

No. 734



### TOLL BRIDGE

Turn LEFT at end of bridge. Next photo in Scotia, five-  
tenths of a mile.



No. 733



### SCOTIA

Turn RIGHT with car tracks entering Scotia. Next photo in Amsterdam, fourteen and five-tenths miles.

Memo .....

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No. 732



### AMSTERDAM

Turn RIGHT from Main Street into Market Street. Next photo two-tenths of a mile.





No. 730



## FONDA

Turn LEFT at fork and cross bridge. Hotel Brunswick, right-hand side of Main Street, offers first-class accommodations to tourists. The new garage of the Mohawk Machine Shop is just west of Hotel Brunswick. Supplies and repairs of all kinds. Palatine Bridge eleven and six-tenths miles. Nelliston fourteen and four-tenths miles. St. Johnsville twenty and four-tenths miles. Little Falls thirty-eight and three-tenths miles. C. A. Ross Motor Car Co. on right-hand side of Main Street in Little Falls. Supplies and repairs of all kinds. Follow Main Street through town. Next photo in Herkimer, seven miles from C. A. Ross' garage, 40 W. Main Street.

Memo



# HOTEL BRUNSWICK, FONDA, N. Y.

tel and Restaurant. First-class accommodations for tourists. Mohawk Machine Shop and new garage just west of this hotel. Storage, supplies and repairing.

no



No. 729



### HERKIMER

Turn RIGHT and leave railroad. Next photo at end of street, four-tenths of a mile.

Memo .....

No. 728



Turn LEFT at end of street. Ilion (two and six-tenths miles) and Frankfort (four and seven-tenths miles), on opposite side of river, are passed. East Shuyler five and seven-tenths miles. Next photo in Deerfield, fourteen and one-tenth miles.

No. 727



### DEERFIELD

Turn LEFT with car tracks. Next photo in Utica, one and one-tenth miles.

Memo .....

No. 726



### UTICA

Take RIGHT fork just after crossing railroad tracks. Next photo (No. 724) in New Hartford, three and two-tenths miles. For the best garage in Utica take left street at this corner. Go to Bleeker Street (one block after crossing canal) and turn left. Utica Motor Car Co. half a block.





# UTICA MOTOR CAR CO.

333-335-337 BLEEKER STREET

This is the best garage in Utica. Storage, repairs and supplies. Agents for Pierce Arrow, Peerless, Thomas, Stevens Duryea, Buick and Cadillac.

# Memo

MEMO

No. 724



### NEW HARTFORD

Take RIGHT road at fork. Follow car tracks. Next photo one mile.

mo

No. 723



Take RIGHT road at fork. Follow most wires. Kirkland three and eight-tenths miles. Vernon twelve and two-tenths miles. Next photo in Sherill, fifteen and three-tenths miles.



No. 722



SHERILL

Turn RIGHT after going under railroad. Next photo  
and two-tenths miles.

Memo .....

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No. 721



Turn RIGHT after going over viaduct. Oneida Castle  
and one-tenth miles. Canastota six and eight-tenths mi.  
Next photo in Sullivan, eleven and nine-tenths miles.

No. 720



SULIVAN

Take RIGHT fork. Next photo entering Chittenango, nine-tenths of a mile.

emo .....

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No. 719



Turn LEFT entering Chittenango. Next photo in Chittenango, six-tenths of a mile.



No. 718



CHITTENANGO

Take RIGHT fork at watering trough. Next photo two tenths of a mile.

Memo .....

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No. 717



Turn RIGHT at cross-roads. Mycenae two and two-tenths miles. Fayetteville eight miles. De Witt ten and eight tenths miles. Next photo in Syracuse, fifteen and three tenths miles.

No. 716



## SYRACUSE

en RIGHT at end of street. Park on right. Then turn  
left into diagonal street (E. Genesee Street). Next photo  
one-tenth of a mile.

no



No. 715

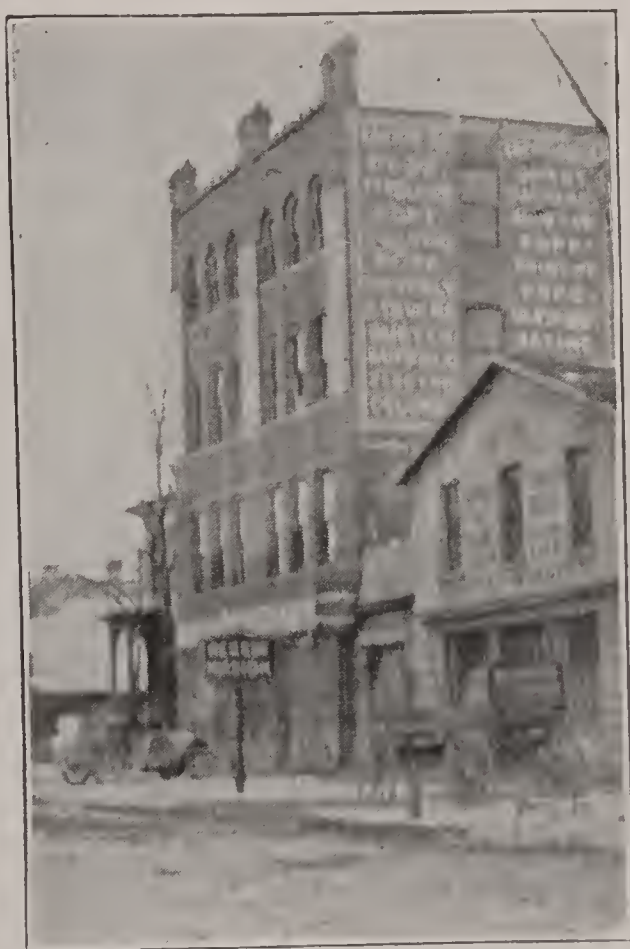


## THE YATES, SYRACUSE, N. Y.

(THE YATES HOTEL CO., C. S. Averill, Pres.)

This is the best hotel in Syracuse for the accommodation of tourists. European plan, with fine Cafe and Grill Room in connection. Opposite the City Hall. Leave the Yates Hotel on the LEFT and go West on East Genesee Street. Next photo two blocks.

Memo



## AMOS & PIERCE AUTOMOBILE CO.

the best garage in Syracuse. Storage, supplies and repairs. Agents for the Oldsmobile, Peerless, Pope-Toledo, Stevens-Duryea, Columbia, Locomobile, Packard, Pope-Tribune, Pope-Hartford and Racine. Leave the Yates on the RIGHT and go East on Washington Street. Go one block and turn left into State Street. Garage half a block.

emo

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No. 714



Turn RIGHT from East Genesee Street and cross canal. Then turn left into West Genesee Street. Next photo one and five-tenths miles.

Memo .....

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No. 713



Take RIGHT fork after crossing bridge and go West on Genesee Street. Do not follow car tracks. Next photo leave Camillus, seven miles.

No. 712



### CAMILLIUS

Turn RIGHT leaving Camillius and go up hill. Next photo  
one-tenth of a mile.

mo

No. 711



Turn LEFT half-way up hill. Elbridge seven miles. Next  
photo at Sennett, eleven and nine-tenths miles.



No. 710



SENNETT

Take LEFT fork. Next photo one and three-tenths mile

Memo .....

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No. 709



STRAIGHT AHEAD. Leave the wires. Next photo  
Auburn, three and eight-tenths miles.

No. 708



AUBURN

Turn RIGHT from Fulton Street into East Genesee Street.  
Next photo at foot of hill, three-tenths of a mile.

emo \_\_\_\_\_  
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No. 707



Turn LEFT from East Genesee Street into West Genesee Street. Next photo two-tenths of a mile.



No. 706



Turn RIGHT from West Genesee Street into State Street.  
Next photo at next crossing.

Memo .....

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No. 705



Turn LEFT from State Street into Clark Street. Next photo at seven and four-tenths miles. For Hotel Osborn and Auburn Automobile Co., go straight ahead at this photo. Hotel Osborn is the best hotel in Auburn. For supplies, repairs and charging go to the Auburn Automobile Co., just beyond Hotel Osborn.



THE OSBORNE HOUSE, AUBURN, N. Y.  
American and European plan. The best hotel in Auburn.



GRILL ROOM

One of the best grill rooms in New York State.





## AUBURN AUTOMOBILE CO.

54-60 WATER STREET, AUBURN, N. Y.

Next door to the Osborn House. Fireproof. Accommodation for fifty cars. Storage, supplies and repairs. Agents for the Franklin, Peerless, Buick, Waltham and Pope-Waverly

Memo .....

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No. 704



Turn RIGHT and North. Next photo four-tenths of a mile.

Remo .....

No. 703



Turn LEFT at three corners. Next photo one-tenth of a mile.



No. 702



Take RIGHT road at fork. Next photo ten miles.

Memo .....

No. 701



Turn RIGHT at three corners. Follow wires. Next photo in Phelps, nine and two-tenths miles.

No. 700



### PHELPS

Take RIGHT road at fork in Phelps. Next photo nine-tenths  
of a mile.

no .....  
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No. 699



Take RIGHT and North leaving Phelps. Next photo two-  
tenths of a mile.



No. 698



Turn LEFT and follow wires. Next photo at end of road  
three and one-tenth miles.

Memo .....

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No. 697



Turn RIGHT into first road after crossing bridge. Next  
photo four-tenths of a mile.

No. 696



Turn LEFT and North. Next photo two and three-tenths miles.

Remo .....

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No. 695



Turn LEFT. Schoolhouse on right. Next photo seven-tenths of a mile.



No. 694



Turn RIGHT at end of road. Port Gibson one and six-tenths miles. Next photo two miles.

Memo .....

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No. 693



Take RIGHT road at fork. Next photo in Palmyra, four nine-tenths miles.

No. 692



PALMYRA

Turn RIGHT. Next photo leaving Palmyra, five-tenths of a mile.

emo .....

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No. 691



Turn RIGHT from Main Street into Church Street. Next photo after crossing canal, four-tenths of a mile.



No. 690



Turn LEFT just before reaching railroad embankment. N  
photo three and one-tenth miles.

Memo .....

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No. 689



Turn LEFT and cross canal. Macedon six-tenths of a m  
Next photo one and four-tenths miles.

No. 688



Take RIGHT road at fork. Egypt four and eight-tenths miles. Pittsford ten and six-tenths miles. Next photo thirteen and two-tenths miles.

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No. 687



Turn LEFT and cross canal. Next photo in Rochester, three and seven-tenths miles.



No. 686



### ROCHESTER

Turn RIGHT from Monroe Avenue into Clinton Avenue.  
Next photo three-tenths of a mile.

Memo .....

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No. 685



Turn LEFT from Clinton Avenue into Main Street. Next  
photo six-tenths of a mile.

No. 684



## SENECA HOTEL, ROCHESTER, N. Y.

A. M. WOOLLEY, Manager

Rochester's New Fireproof Hotel, Clinton Avenue South.  
350 rooms, 300 with tub or shower bath. European  
plan, \$1.50 per day and upward. Write for illustrated  
booklet. Next photo for Buffalo (photo No. 683) at  
Clinton Avenue, six-tenths of a mile.

emo.....  
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UNITED STATES AUTOMOBILE CO.

21 TO 29 PLYMOUTH AVENUE

Turn LEFT into Plymouth Avenue, one block beyond Port  
Hotel. Garage on right, one half-block. This is the  
garage in Rochester. Supplies, repairing and charging  
Agents for the Stearns, Stevens-Duryea, Locomobile  
Pierce Arrow. Ask for a tour book for trips around  
Rochester.

# Memo

No. 683



Take RIGHT street at fork. Follow car tracks. North Chili  
nine miles. Churchville thirteen and three-tenths miles.  
Next photo sixteen and one-tenth miles.

emo .....

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No. 682



Turn RIGHT entering Bergen. Next photo one and eight-  
tenths miles.



No. 681



Turn RIGHT at end of road. Byron five and three-tenths miles. Next photo six and two-tenths miles.

Memo .....

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No. 680



Turn LEFT and North. Next photo four and nine-tenths miles.

No. 679



Turn RIGHT just after passing schoolhouse. Next photo at  
end of road, four-tenths of a mile.

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No. 678



Turn LEFT at end of road. Next photo eight-tenths of a mile.



No. 677



Turn RIGHT at cross-roads; roadhouse on left before turning  
 Hotel Richmond, in Batavia, two and nine-tenths miles  
 This is the best hotel between Rochester and Buffalo  
 everything first-class. Hilts & Kennedy's new garage on  
 Main Street, opposite Hotel Richmond. Supplies and re-  
 pairing—the best of everything. East Pembroke seven  
 miles. Pembroke thirteen and six-tenths miles. Clarendon  
 twenty-one and five-tenths miles. Williamsville twenty  
 nine and seven-tenths miles. Next photo in Buffalo, thirty  
 nine and six-tenths miles.

Memo .....

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## HOTEL RICHMOND, BATAVIA, N. Y.

the best hotel between Buffalo and Rochester. Special attention given to tourists. Hilts & Kennedy's new garage on opposite side of Main Street. Storage, supplies and repairs.

emo



No. 675



## THE IROQUOIS HOTEL, BUFFALO, N. Y.

STARTING POINT for run from Buffalo to Cleveland  
This is the best hotel in Buffalo for the accommodation  
tourists. European plan, with Cafe, Restaurant and Gr  
Room in connection. Leave the Iroquois Hotel on t  
LEFT. Next turn two blocks.

Memo-----

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# STANDARD GARAGE CO.

1114-1116 MAIN STREET, BUFFALO, N. Y.

ve the Iroquois Hotel and go NORTH over Main St.  
out one mile finding garage on left hand side of street  
umber 1114-1116 Main St. The largest garage in  
uffalo, open day and night for supplies and repairs.  
bsolutely fireproof. Special attention given to tourists.

no



No. 674



Turn LEFT from Main Street into Swan Street. Next photo one mile.

Memo .....

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No. 673



Turn RIGHT from Swan Street into Hamburg Street. Hamburg Street is two blocks before Swan Street runs under railroad. Next turn six-tenths of a mile.

No. 672



Turn LEFT from Hamburg Street into Elk Street. Next photo at end of viaduct, four-tenths of a mile.

emo .....

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No. 671



Take RIGHT fork at end of viaduct. Next photo at small park, one and seven-tenths miles.



No. 670



Turn RIGHT at park from Abbot Road into South Park Avenue. Then turn left into park at first driveway. Next photo one mile.

Memo .....

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No. 669



Take RIGHT drive at fork. Next photo entering park, one and four-tenths miles.

No. 668



Turn LEFT at greenhouse. Keep to left until to end of park.  
Next photo leaving park, seven-tenths of a mile.

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No. 667



Turn RIGHT and cross bridge. Next photo at end of street,  
nine-tenths of a mile.



No. 666



Turn LEFT at end of street. Steel mill on right after turning. Next photo four and six-tenths miles.

Memo .....

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No. 665



Turn RIGHT. Hospital on right. Next photo three and seven-tenths miles.

No. 664



Turn RIGHT and follow wires. Go one-tenth of a mile to  
end of road and turn right. Next photo five and five-  
tenths miles.

emo .....

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No. 663



Turn LEFT. Follow the wires. Next photo in Irving, eleven  
and two-tenths miles.



No. 662



### IRVING

Turn RIGHT one block after crossing bridge. Next photo entering Silver Creek, three and two-tenths miles.

Memo

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No. 661



### SILVER CREEK

Turn RIGHT at end of road entering Silver Creek. Next photo at Silver Creek House, two-tenths of a mile.

No. 660



Turn LEFT at square. Silver Creek House on right of turn. Good accommodations for tourists. Sheridan six and two-tenths miles. Fredonia twelve and one-tenth miles. Brocton nineteen miles. Portland twenty and six-tenths miles. Westfield twenty-seven and eight-tenths miles. Ripley thirty-four and eight-tenths miles. Next photo forty miles.

emo .....

No. 659



Turn RIGHT at top of steep hill just before reaching railroad embankment. North East three and seven-tenths miles. Harbour Creek ten and nine-tenths miles. Wesleyville fourteen and seven-tenths miles. Next photo in Erie, eighteen and eight-tenths miles.



No. 658



ERIE

Turn LEFT from Eighteenth Street into Peach Street. N  
photo for Cleveland, three-tenths of a mile. To go i  
main part of Erie, turn right into State Street, one bl  
before this turn. Go up State Street through small p  
and turn right into North Park Road. Reed House  
half-block. H. T. Raser Garage one half-block to right  
French Street, after passing Reed House.

# Memo

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

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Age Group	Percentage
18-24	22%
25-34	18%
35-44	15%
45-54	12%
55-64	10%
65-74	8%
75-84	6%
85+	4%

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

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### THE REED HOUSE, ERIE, PA.

This is the best hotel in Erie. Centrally located in the heart of the business and shopping district. Special attention given to tourists.



### H. T. RASER GARAGE

This is the best garage in Erie. Located on French Street, half a block from the Reed House. Repairs and supplies of all kinds.



No. 657



Turn RIGHT from Peach Street into Twenty-sixth Str  
Next photo at top of steep hill, nine and four-tenths mi

Memo .....

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No. 656



Turn RIGHT at top of steep hill. Next photo two-tenths  
of a mile.

No. 655



Turn LEFT. Follow wires. Fairview two miles. Girard six and three-tenths miles. Next photo in West Girard, six and nine-tenths miles.

no

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No. 654



Turn LEFT after crossing small bridge in West Girard. East Springfield four and nine-tenths miles. West Springfield nine and three-tenths miles. Conneaut thirteen and five-tenths miles. Amboy seventeen and two-tenths miles. Kingsville twenty-one and six-tenths miles. Next photo in village of Ashtabula, twenty-six and five-tenths miles.



No. 653



Turn LEFT at square in village of Ashtabula. Follow road around two sides of square and turn left into road with car tracks. Next photo eight-tenths of a mile.

Memo .....

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No. 652



Turn RIGHT with car tracks. Next photo at end of street in Ashtabula, six-tenths of a mile.

No. 651



ASHTABULA

Turn LEFT at end of street. Next photo one block.

TO .....  
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No. 650



Turn RIGHT from Main Street. Chapman House two blocks  
on right-hand side of street. Best accommodations in  
Ashtabula. Next photo two miles.



No. 649



STRAIGHT AHEAD on left road. Geneva seven and n  
tenths miles. North Madison thirteen and three-ten  
miles. Next photo twenty-three and two-tenths miles.

Memo .....

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No. 648



Turn LEFT. Go down hill and cross bridge. Next pho  
in Painesville, two and two-tenths miles.

No. 647



### PAINESVILLE

Turn LEFT with car tracks. Next photo two-tenths of a mile.

no

No. 646



Turn RIGHT into Main Street. Next photo at park, one-tenth of a mile.



No. 645



Take RIGHT street at park and follow car tracks. Measure six and two-tenths miles. Next turn in Willoughby, and nine-tenths miles.

Memo .....

No. 644



WILLOUGHBY

Turn LEFT into Main Street. Next photo at monument one-tenth of a mile.

No. 643



Take RIGHT street at monument. Wickliff five miles.  
Euclid eight and seven-tenths miles. Next photo in Cleveland, fifteen miles

Memo .....

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No. 642



CLEVELAND

From University Circle follow car line on down Euclid Avenue about four miles to Colonial Hotel, situated on Prospect Avenue. (Huron Road from Euclid Avenue into Prospect Avenue.)





No. 640



Take LEFT hand street at Square. Follow street around two sides of square to next photo.

emo .....

No. 639



Turn LEFT from Bright Street into Superior Street. Next photo at end of street, one mile.



No. 638



Make "S" turn from Superior Street into Detroit Street.  
Next photo six and seven-tenths miles.

Memo .....

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No. 637



Turn RIGHT and follow pavement. Next photo after crossing bridge, four-tenths of a mile.

No. 636



Turn LEFT at end of bridge. Next photo at end of pavement, one and two-tenths miles.

emo .....

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No. 635



Turn RIGHT at end of brick pavement. Dover, four and seven-tenths miles. Ridgeville, eleven and eight-tenths miles. Next photo in Elyria, fifteen and seven-tenths miles.



No. 634



Turn LEFT and follow car tracks. Next photo nine-tenths a mile.

Memo .....

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No. 633



ELYRIA

Turn LEFT from Broad Street into Middle Street. Park right after turning. Next photo one and two-tenths m

No. 632



RIGHT and South-West. Follow car tracks. Next  
photo eight-tenths of a mile.

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No. 631



LEFT at fork. Next photo two-tenths of a mile.



No. 630



Turn RIGHT and West. Follow trolley line. Next photo is seven-tenths of a mile.

Memo .....

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No. 629



Turn RIGHT and follow trolley line. Next photo is six-tenths miles.

No. 628



Turn RIGHT and follow trolley line. Next photo one and one-tenth miles.

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No. 627



Turn LEFT and follow trolley line. Next photo in Oberlin, one and four-tenths miles.



No. 626



### OBERLIN

Turn RIGHT from College Street into Main Street. I  
on left side after turning. Next photo two blocks.

Memo .....

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No. 625



Turn LEFT and West from Main Street into Lorain Str  
Next photo four and five-tenths miles.



No. 624



on LEFT and South. Kipton, one and four-tenths miles.  
Next photo three and six-tenths miles.

no

No. 623



on RIGHT and West. Church on left after turning. Wake-  
an, five and six-tenths miles. Townsend, ten and one-  
ninth miles. Norwalk, sixteen and eight-tenths miles.  
Next photo at end of road, twenty-one and five-tenths  
miles.



No. 622



Turn RIGHT and North at end of road. Next photo  
Monroeville, five-tenths of a mile.

Memo .....

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No. 621



### MONROEVILLE

Take LEFT road at monument. Next photo at end of road  
six-tenths of a mile.

No. 620



Turn RIGHT and North at end of road. Next photo one-tenth of a mile.

no

No. 619



Turn LEFT and West. Follow wires. Next photo in Bellview, seven and seven-tenths miles.



No. 618



### BELLVIEW

Turn LEFT into Main Street. Clyde, seven and six-tenths miles. Fremont, sixteen and six-tenths miles. Next photo in Woodville, thirty and five-tenths miles.

Memo .....

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No. 617



### WOODVILLE

Keep to RIGHT and cross bridge. Next photo four-tenths of a mile.

No. 616



Turn RIGHT from Main Street. Next photo two and five-tenths miles.

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No. 615



Turn slightly to LEFT and follow trolley line. Genoa two and four-tenths miles. Next photo three and two-tenths miles.



No. 614



Turn LEFT and follow trolley line. Next photo in E  
Toledo, eleven and one-tenth miles.

Memo .....

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No. 613



EAST TOLEDO

Turn RIGHT from Woodville Street into E. Broadwa  
Next photo seven-tenths of a mile.

No. 612



Turn LEFT from E. Broadway into Oswald Street. Next  
photo at end of street, five-tenths of a mile.

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No. 611



Turn LEFT into Front Street at end of Oswald Street. Next  
photo two blocks.



No. 610



Turn RIGHT from Front Street into Main Street and cross bridge. Next photo in Toledo, six-tenths of a mile.

Memo \_\_\_\_\_

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No. 609



TOLEDO

Turn LEFT from Cherry Street into Summit Street. Next photo just around corner.

No. 608



Take RIGHT street at fork, turning from Summit into St. Clair Street. The Tavern (photo No. 607), two and one-half blocks.

mo .....



## ATWOOD GARAGE

2815 MONROE ST., TOLEDO, OHIO

This is the best garage in Toledo. Sundries, repairing and charging. Leave the Tavern on the LEFT and go two and one-half blocks to Monroe Street. Turn right into Monroe Street and go straight ahead to the garage. Agents for the Franklin, Elmore and Pope-Hartford.



No. 607



## THE TAVERN, TOLEDO, OHIO

STARTING POINT of run from Toledo to South Bend. The hotel is the best in Toledo for the accommodation of tourists. European plan, with fine cafe and grill room in connection. Leave the Tavern on the LEFT and go two and one-half blocks to next photo.

Memo .....

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No. 606



Turn RIGHT from St. Clair Street into Monroe Street.  
Atwood Automobile Co. Garage on left hand side of Monroe  
St., one and three-quarters miles. This is one of the best  
Garages in the West. Next photo three and eight-tenths  
miles.

mo .....

No. 605



Turn LEFT and West. Follow wires. Next photo sixteen  
and five-tenths miles.



No. 604



Turn LEFT and South. Church on left, cemetery on right after turning. Next photo at end of road, one mile.

Memo .....

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No. 603



Turn RIGHT and West at end of road. Follow wires. Next photo three-tenths of a mile.

No. 602



Turn LEFT and South. Next photo at end of road, two and eight-tenths miles.

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No. 601



Turn LEFT and East at end of road. Follow wires. Next photo five-tenths of a mile.



No. 600



Turn RIGHT and South. Follow wires. Next photo leave  
Swanton, two and nine-tenths miles.

Memo .....

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No. 599



SWANTON

Turn RIGHT and West leaving Swanton. Delta six and fo  
tenths miles. Next photo nine and one-tenth miles.

No. 598



Turn LEFT and South. Next photo one mile.

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No. 597



Turn RIGHT and West. School on right, church on left  
of turn. Next photo at end of road, one mile.



No. 596



Turn RIGHT at end of road. Cross railroad tracks, then turn left and continue West. Next photo three and six tenths miles.

Memo .....

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No. 595



Turn LEFT and South. Next photo at end of street Wauseon, one mile.

No. 594



WAUSEON

Turn RIGHT and West at end of Main Street. Park on left  
after turning. Next photo one and two-tenths miles.

mo .....

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No. 593



Turn RIGHT and cross tracks, then continue West. Next  
photo seven and eight-tenths miles.



No. 592



Turn LEFT and South. Red brick school on right. Follow  
wires. Next photo in Archbold, one and four-tenths mile

Memo .....

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No. 591



ARCHBOLD

Turn RIGHT and West from Main Street opposite Hotel  
Verniss. Next photo one mile.

No. 590



Turn LEFT and South. Leave wires. Next photo one and five-tenths miles.

emo .....

No. 589



Turn RIGHT and West. School on left after turning. Next photo at end of road, nine-tenths of a mile.



No. 588



Turn LEFT at end of road and go fifty feet, then turn r  
and continue West. Stryker three and eight-tenths m  
Next photo eight and seven-tenths miles.

Memo .....

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No. 587



Turn LEFT and South. Next photo two and four-ten  
miles.

No. 586



Turn RIGHT and West. Next photo in Bryan, eight-tenths of a mile.

mo .....

No. 585



BRYAN

Turn LEFT and South into Main Street. Hotel Christman, the best hotel in Bryan, one block. Next photo three blocks.



No. 584



Turn RIGHT and West from Main Street. Court House on right. Next photo two blocks.

Memo .....

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No. 583



Turn LEFT and South. Church on right after turn. Next photo three-tenths of a mile.

No. 582



Turn RIGHT and South-West. Mill on left of turn. Next photo three and four-tenths miles.

emo .....

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No. 581



Turn RIGHT and West. School on left before turning. Next photo three and eight-tenths miles.



No. 580



Keep to RIGHT at fork. Pass school-house on left. Next photo at end of road, one and three-tenths miles.

Memo .....

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No. 579



Turn LEFT at end of road. Go one hundred and fifty feet, then turn right and continue West. Next photo at end of road in Edgerton, two and eight-tenths miles.

No. 578



EDGERTON

Turn LEFT at end of road. Go one hundred and fifty feet, then turn right and West. Next photo three-tenths of a mile.

emo .....

No. 577



Turn RIGHT and cross railroad tracks; then turn left and continue West. Next photo three and six-tenths miles.



No. 576



Turn LEFT and South. Cross railroad tracks. Next photo five-tenths of a mile.

Memo .....

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No. 575



Turn RIGHT and West. Follow wires. Butler three and one-tenth miles. Next photo after crossing tracks, six and five-tenths miles.

No. 574



Turn RIGHT and West after crossing tracks. Next photo  
at end of road, one and seven-tenths miles.

emo .....

No. 573



Turn LEFT at end of road. Go fifty feet, then turn right  
and continue West. Follow wires. Next photo, Waterloo,  
three and one-tenth miles.



No. 572



### WATERLOO

Turn RIGHT and South entering Waterloo. Next ph  
one mile.

Memo .....

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No. 571



Turn LEFT on first road after crossing bridge. Next ph  
ten and six-tenths miles.

No. 570



Turn LEFT and West. Follow wires. Next photo in Kendallville, three and three-tenths miles.

mo .....

No. 569



KENDALLVILLE

Turn LEFT and South into East Street. Next photo two-tenths of a mile.



No. 568



Turn RIGHT from East Street into Mitchell Street. Follow the wires. Next photo six-tenths of a mile.

Memo .....

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No. 567



Turn RIGHT and North from Mitchell Street into North Street. Next photo at end of road six-tenths of a mile.

No. 566



Turn LEFT at end of road. Next photo one-tenth of a mile.

emo

No. 565



STRAIGHT AHEAD and cross railroad tracks. Brimfield  
five and six-tenths miles. Next photo after crossing  
viaduct, five and nine-tenths miles.



No. 564



Turn LEFT and cross bridge; then turn right and continue  
West. Next photo at end of road, four and one-tenth mile.

Memo .....

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No. 563



Turn RIGHT and North at end of road. Follow most westerly road.  
Next photo in Wawaka, seven-tenths of a mile.

No. 562



WAWAKA

LEFT and West. Red brick church on right. Follow  
res. Next photo one and three-tenths miles.

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No. 561



LEFT and West. Follow wires. Next photo eight-  
ths of a mile.



No. 560



Turn RIGHT and West. School on left. Follow w  
Next photo at end of road, two and four-tenths miles.

Memo .....

No. 559



Turn RIGHT and North at end of road. Follow w  
Next photo two-tenths of a mile.

No. 558



Turn LEFT and West. Follow wires. Next photo Ligonier,  
one and two-tenths miles.

emo

No. 557



LIGONIER

Turn RIGHT and North. Next photo four-tenths of a mile.



No. 556



Turn LEFT and West from Main Street. Next photo f  
and nine-tenths miles.

Memo .....

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No. 555



Turn RIGHT and North. School house on right. Follo  
most wires. Next photo at end of road, six-tenths of a mil

No. 554



Turn LEFT and West at end of road. Follow wires. Benton  
four and two-tenths miles. Next photo entering Goshen,  
seven and eight-tenths miles.

mo .....

No. 553



Turn LEFT and West. Next photo in Goshen, six-tenths  
of a mile.



No. 552



### GOSHEN

Turn RIGHT and North into Main Street. Next photo five tenths of a mile. Hotel Hascal, the best in Goshen, opposite square on left side of Main Street. Goshen Automobile Company opposite Hotel Hascal.

Memo .....

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No. 551



Turn LEFT from Main Street. Follow car tracks. Next photo after crossing bridge, four-tenths of a mile.

No. 550



Turn RIGHT into first street after crossing bridge. Next photo one mile.

Nemo .....

No. 549



Turn RIGHT and North. Next photo three and one-tenth miles.



No. 548



Turn LEFT and cross railroad tracks; then turn right and continue along tracks. Dunlap one mile. Next photo one and six-tenths miles.

Memo .....

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No. 547



Turn LEFT and West. Next photo Osceola, five and seven-tenths miles.

No. 546



### OSCEOLA

Turn RIGHT; cross railroad tracks, then turn left and continue West. Mishawaka five and eight-tenths miles. Next photo South Bend, ten and one-tenth miles.

emo .....

No. 545



Turn RIGHT from Washington Street into Main Street. Hotel Oliver (photo No. 544) at this corner.



No. 544



## HOTEL OLIVER, SOUTH BEND, IND.

This hotel is one of the best encountered between Chicago and New York. Every facility possible is provided for the comfort of its guests. Auto parties given special attention. Next photo (No. 543) two blocks.

Memo .....

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## TWENTIETH CENTURY GARAGE

SOUTH BEND, IND.

located one block WEST of Hotel Oliver and half a block South on Lafayette Street. This garage is equipped with a first-class machine shop, and special attention is given to tourists.

mo



No. 543



Turn LEFT, West. Turn from Main Street into La Sa Street, two blocks from the Hotel Oliver. Next turn two tenths of a mile.

Memo .....

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No. 542



Turn RIGHT, West. Follow street car tracks to end brick pavement. Next photo seventeen and one-tenth miles, after passing through New Carlisle, fourteen miles. Follow the wires.

No. 541



Turn LEFT, South-West. Cottage ahead on right at turn. Next turn two and nine-tenths miles. Road on right leads to Rolling Prairie.

mo

No. 540



STRAIGHT AHEAD, South-West. White frame dwelling on left. Next photo seven and three-tenths miles.



No. 539



Turn LEFT. Mill on left, go to end of street and turn right, go two blocks. Next photo five-tenths of a mile.

Memo .....

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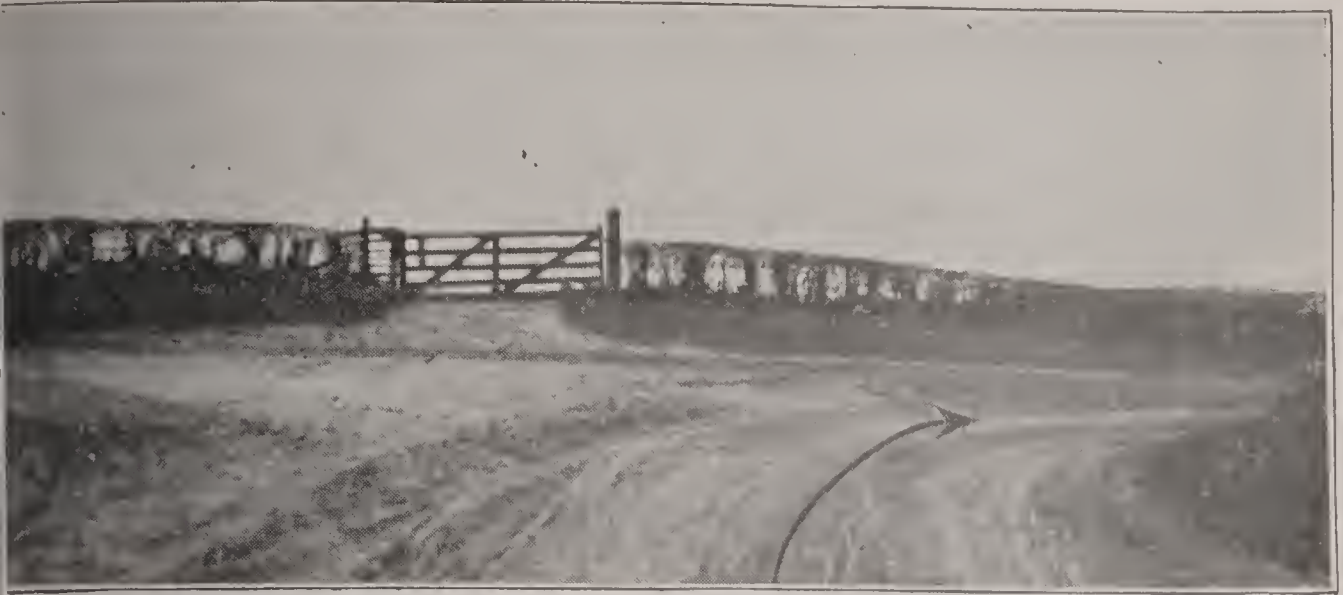
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No. 538



Turn LEFT, South. Large hole on right, small lake or block ahead on right. Next photo nine-tenths of a mile.

No. 537



rn RIGHT, West. Next photo three-tenths of a mile.

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No. 536



rn LEFT. Next photo three-tenths of a mile.



No. 535



Turn RIGHT, West. Follow the wires. Next photo Westville, nine miles.

Memo .....

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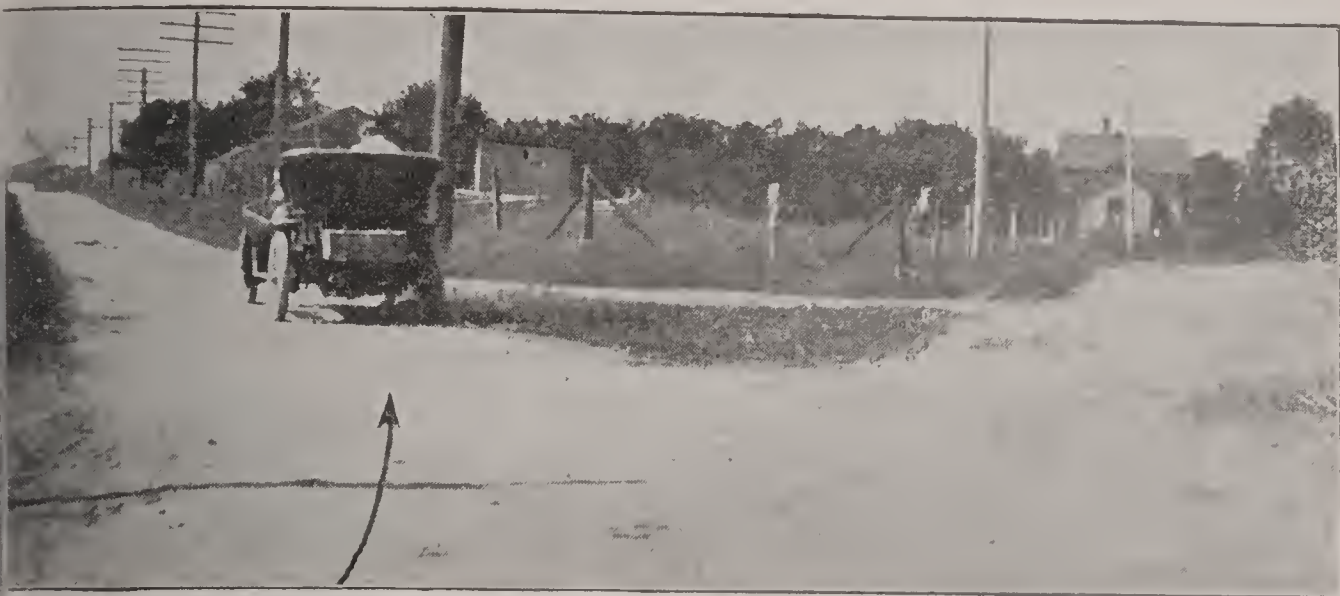
No. 534



## WESTVILLE

Turn RIGHT, North. After going one hundred and feet turn left on Main Street in Westville, keep straight ahead through town, passing under R. R. embankment. Next photo eight-tenths of a mile.

No. 533



rn LEFT, West, after passing under R. R. embankment.  
Next photo two and three-tenths miles.

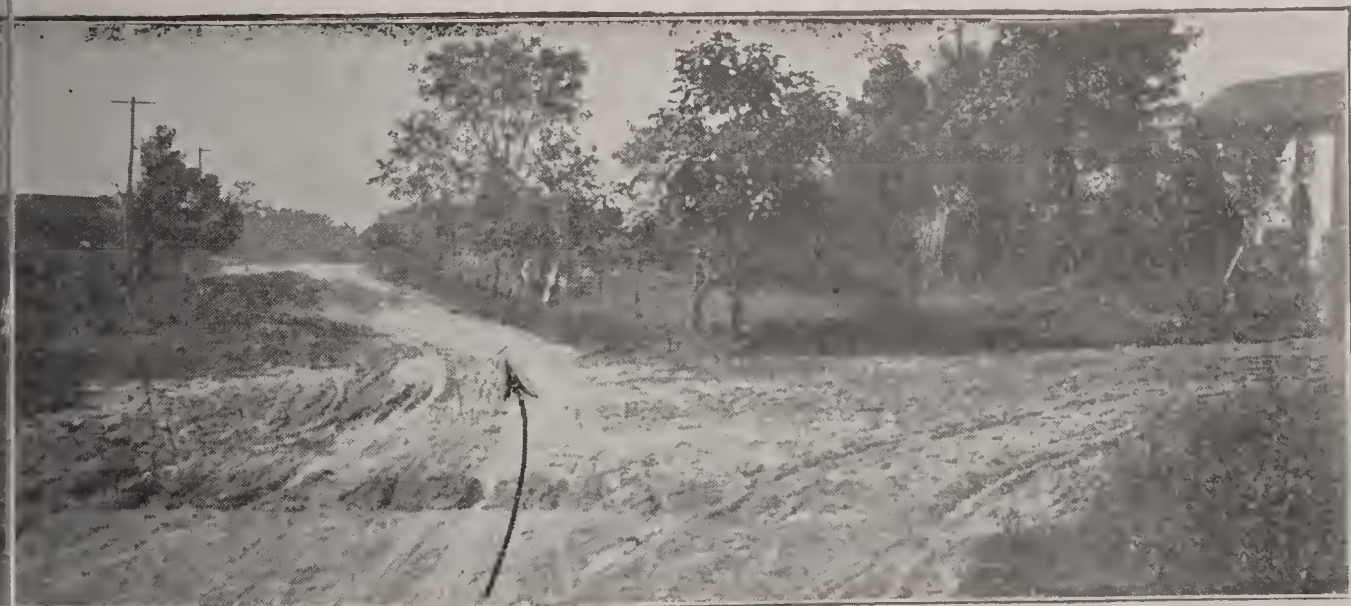
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No. 532



RAIGHT AHEAD. Next photo after arriving at end of  
oad, turning to left and crossing small bridge, three and  
ve-tenths miles.



No. 531



Turn RIGHT, South-West. After crossing small bridge  
main on main road. Next turn at cross roads, one  
three-tenths miles.

Memo .....

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No. 530



Turn RIGHT, West. Cross roads. Next turn Valpa  
two and six-tenths miles.

No. 529



### VALPARAISO

Turn RIGHT, North. Go one hundred and fifty feet, then left on Main Street to end of town, passing railroad depot and viaduct. Next turn one and three-tenths miles. One block past Court House on same side of street is Hotel Lafayette. This hotel is the best between South Bend and Chicago. Special meal arrangements can be made by long distance telephone 991. One block beyond hotel is Zimmerman's garage—expert machinists always in waiting. After hours ring electric bell on side office door.

emo .....

No. 528



Turn RIGHT, North. Next photo at group of barns and wind mill, two miles.



No. 527



Turn LEFT, West. Wind mills and group of barns on  
Next photo Wheeler, four and seven-tenths miles.

Memo .....

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No. 526



WHEELER

Turn LEFT entering Wheeler. Look out for disguised bus  
just beyond turn. Next turn at street's end, five-tenths  
a mile. Reduce speed in village.

No. 525



Turn RIGHT, North-West. Next photo at "S" turn, six-  
tenths of a mile.

mo .....

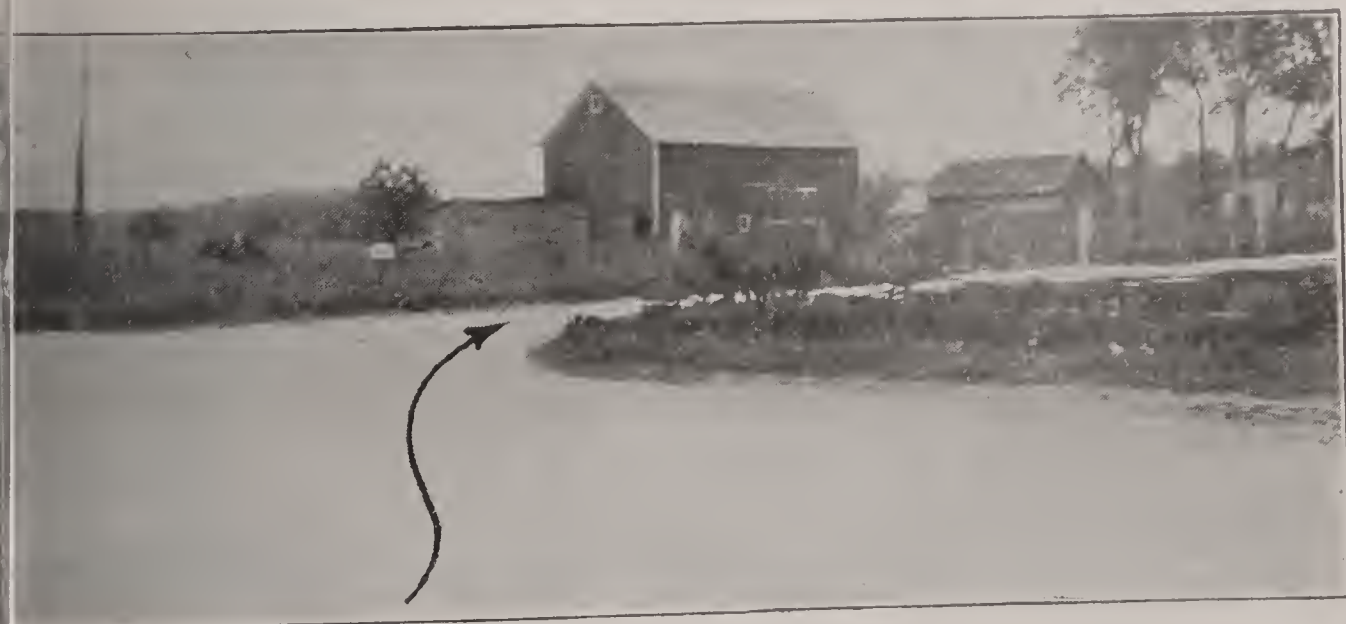
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No. 524



Continue going North after making "S" turn. Follow wires.  
Next turn at road's end, one mile.



No. 523



Turn LEFT, West. Follow wires. Next turn Hobart,  
and one-tenth miles.

Memo .....

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No. 522



Turn LEFT and go South to street's end, then right.  
photo two-tenths of a mile.

No. 521



Turn LEFT, South. Hobart depot on left, turn right after passing depot. Next turn in Hobart, three-tenths of a mile.

emo .....

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No. 520



HOBART

Turn RIGHT, North-West. Follow the wires. Next photo Highlands, eleven and three-tenths miles.



No. 519



### HIGHLANDS

Turn LEFT, West. Next turn two and three-tenths mil

Memo .....

No. 518



Turn RIGHT, North. Road-house on left. Next turn t  
and three-tenths miles.

No. 517



Turn LEFT, West. Saloon on right at turn. Next turn  
five-tenths of a mile.

memo .....

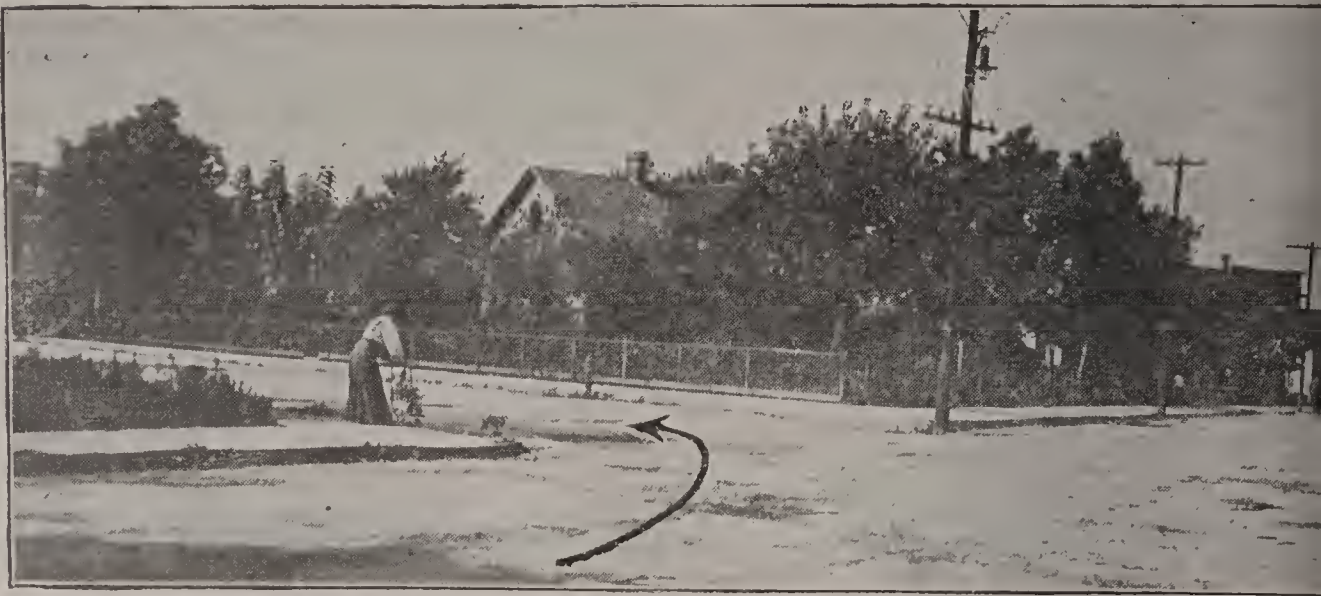
No. 516



Turn RIGHT, North. Next turn at Lafayette School, one  
and three-tenths miles.



No. 515



Turn LEFT, West. Lafayette School on right. Next t  
one mile.

Memo .....

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No. 514



HAMMOND

Turn RIGHT, North. Turn right from Sibley Street to I  
man Avenue. Half a block beyond turn is the Majes  
Hotel and Cafe. The management extends first class ho  
facilities to automobile parties. Next turn one mile.

No. 513



LEFT and go West. Go one block west and turn with  
r tracks. Next turn four miles.

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No. 512



LEFT, North-West. Follow car tracks to Ewing Ave-  
e, two and one-tenth miles.



No. 511



Turn RIGHT and go North, Ewing and Indianapolis  
nues. Follow car tracks across bridge to 92nd Street  
Buffalo Avenue, one and eight-tenths miles.

Memo .....

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No. 510



Turn LEFT, 92d Street, South Chicago. Continu  
Exchange Avenue. Next photo six-tenths of a mil

No. 509



On RIGHT, Exchange Avenue, statue of Columbus on left. Next photo 83d Street, one mile.

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No. 508



On LEFT. Follow macadam to Jeffrey Avenue, one mile.



No. 507



Turn RIGHT, Jeffrey Avenue, follow macadam No  
Next photo two miles.

Memo.....

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No. 506



JACKSON PARK.

Enter park, turning LEFT upon first drive.

No. 505



on LEFT. Lagoon and stone bridge on right.

mo.....

No. 504



on RIGHT. Lagoon on right.



No. 503



Turn LEFT, red-tiled rest building on left. Tennis court and Golf links on left.

Memo.....

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No. 502



Turn RIGHT, small police box on left.

No. 501



Turn LEFT, red-tiled boat building on right. Leave park. Continue straight West upon Midway Drive, passing under Illinois Central Railroad viaduct.

emo.....

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No. 500



### MIDWAY DRIVE.

Keep STRAIGHT AHEAD, crossing Cottage Grove Avenue trolley, and enter Washington Park, turning right, passing administration buildings of parks on right, follow drive left to long, low building on left. (Refectory.)



No. 499



Keep to RIGHT and North. Refectory on left. Leave park at 51st Street. Grand Boulevard five-tenths of a mile.

Memo .....

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No. 498



STRAIGHT AHEAD. Leave park at Grand Boulevard at 51st Street, passing statue of Washington. Next turn two miles, South Park Boulevard and 33rd Street.

No. 497



Turn LEFT and go West, South Park Boulevard and 33rd Street. Next turn Michigan Avenue and 33rd Street, four-tenths of a mile.

emo

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No. 496



Turn RIGHT and go North. Michigan Avenue and 33rd Street last turn.



No. 495



## NEW SOUTHERN HOTEL

MICHIGAN AVENUE AND 13th STREET, CHICAGO, ILL.

FINISHING POINT of Photo-Auto Maps in Chicago, is The New Southern Hotel, situated so convenient "Automobile Row," it is really considered the very best Hotel in Chicago for automobile tourists. A more delightful place for visitors in Chicago could not be conceived. Their every convenience and comfort is studiously provided for. Splendid Cafe, Restaurant and Grill Room in connection. Good garage accommodations may be had one block south of Hotel.

Memo.....

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# PHOTO-AUTO MAPS

SOUTH BEND TO INDIANAPOLIS  
INDIANAPOLIS TO SOUTH BEND



No. 2A



**HOTEL OLIVER, SOUTH BEND, IND.**

**STARTING POINT** for run from South Bend to Indianapolis

This hotel is one of the best encountered between Chicago and New York. Every facility possible is provided for comfort of its guests. Auto parties given special attention. The Twentieth Century Garage is located one block to the east.

Go **EAST** one block from Hotel Oliver on Washington Street to next photo (3A).

Memo \_\_\_\_\_

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## THE TWENTIETH CENTURY GARAGE

SOUTH BEND, IND.

ated one block WEST of Hotel Oliver, and half a block  
outh on right hand side of street. This garage is equipped  
with a first-class machine shop and special attention is  
given to tourists.

no

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No. 3A



n RIGHT and South from Washington Street into  
Michigan Street. Make "S" turn on leaving Lakeville and  
pass through Lapaz, Plymouth and Argos. Next photo  
forty-four and five-tenths miles, at Rochester.



No. 4A



ROCHESTER

Turn LEFT and East after passing court house from  
Street into 14th Street, just before bend in Main St  
Next photo leaving Rochester, four-tenths of a mile.

Memo .....

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No. 5A



Make "S" turn on leaving Rochester. Next photo  
tenths of a mile.

No. 6A



slightly to RIGHT and follow most wires. Do not cross  
R. tracks. Perrysburg, twelve and two-tenths miles.  
Next photo in Mexico, eighteen miles.

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No. 7A



MEXICO

LEFT from Main Street and cross bridge. Next photo  
end of bridge, one-tenth of a mile.



No. 8A



Turn RIGHT at end of bridge. Next photo in Peru, five  
eight-tenths miles.

Memo .....

No. 9A



PERU

Turn RIGHT from Broadway into Main Street. Next photo  
one and eight-tenths miles.

No. 10A



LEFT from Main Street and cross bridge. Next photo  
tenths of a mile.

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No. 11A



RIGHT and cross small bridge. Next photo eight-  
ths of a mile.



No. 12A



Turn LEFT and South. School on left before turning. Ne photo five and two-tenths miles.

Memo .....

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No. 13A



BUNKER HILL

Turn RIGHT and South on entering Bunker Hill. Ne photo at end of road, one and two-tenths miles.

No. 14A



Turn RIGHT and West at end of road. Next photo five-  
tenths of a mile.

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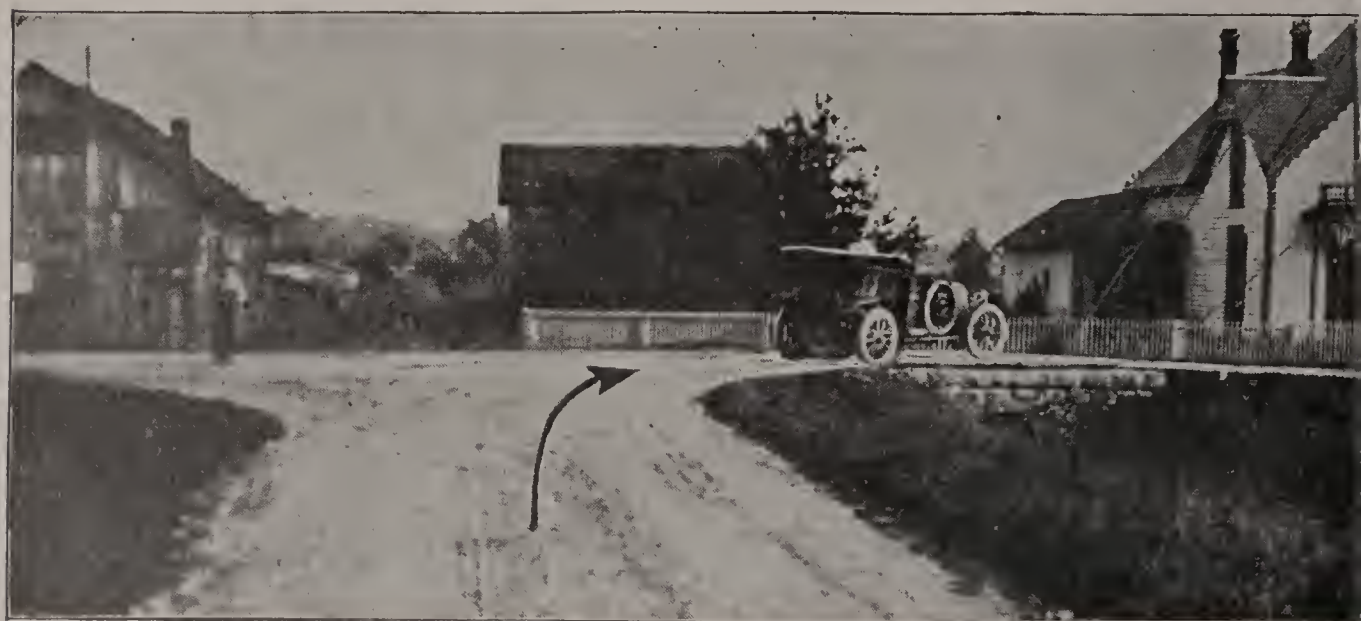
No. 15A



Turn LEFT and South. Log house on left of turn. Next  
photo at end of road passing along edge of Miami, two and  
six-tenths miles.



No. 16A



MIAMI

Turn RIGHT and West at end of road passing along edge  
Miami. Next photo one mile.

Memo .....

No. 17A



Turn LEFT and South. Follow most wires. Next photo  
end of road in Kokomo, nine and two-tenths miles.

No. 18A



KOKOMO

Turn RIGHT at end of Kennedy Street into Taylor Street. Follow car tracks. Next turn where car tracks branch, one-tenth of a mile.

No. 19A



Turn LEFT and South from Taylor Street into Union Street. For the best Garage in Kokomo turn right at the Library, one block after making this turn. The Kokomo Automobile Co. is two and a half blocks from Union St. on Mulberry St. This garage is equipped to do all kinds of repairing and expert workmen are always on hand and will do work quickly. The Haynes Automobile Co. invites all tourists going through Kokomo to visit their factory on Union Street, near Foster Street. The factory is one of the best equipped automobile works in the country and there is always someone on hand to show visitors through the entire plant.



No. 20A



Turn LEFT and South-East from Union Street into The Avenue. Fire department on left. Next photo nine-tenths of a mile.

Memo .....

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No. 21A



Turn LEFT and East. Next photo at end of road, two eight-tenths miles.

No. 22A



Turn LEFT and East at end of road. Next photo at end of road, one and nine-tenths miles.

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No. 23A



Turn LEFT and East at end of road. Next photo three-tenths of a mile.



No. 24A



Turn RIGHT and South. Red barns on left before turning.  
Sharpville three miles. Next photo six and four-ten  
miles.

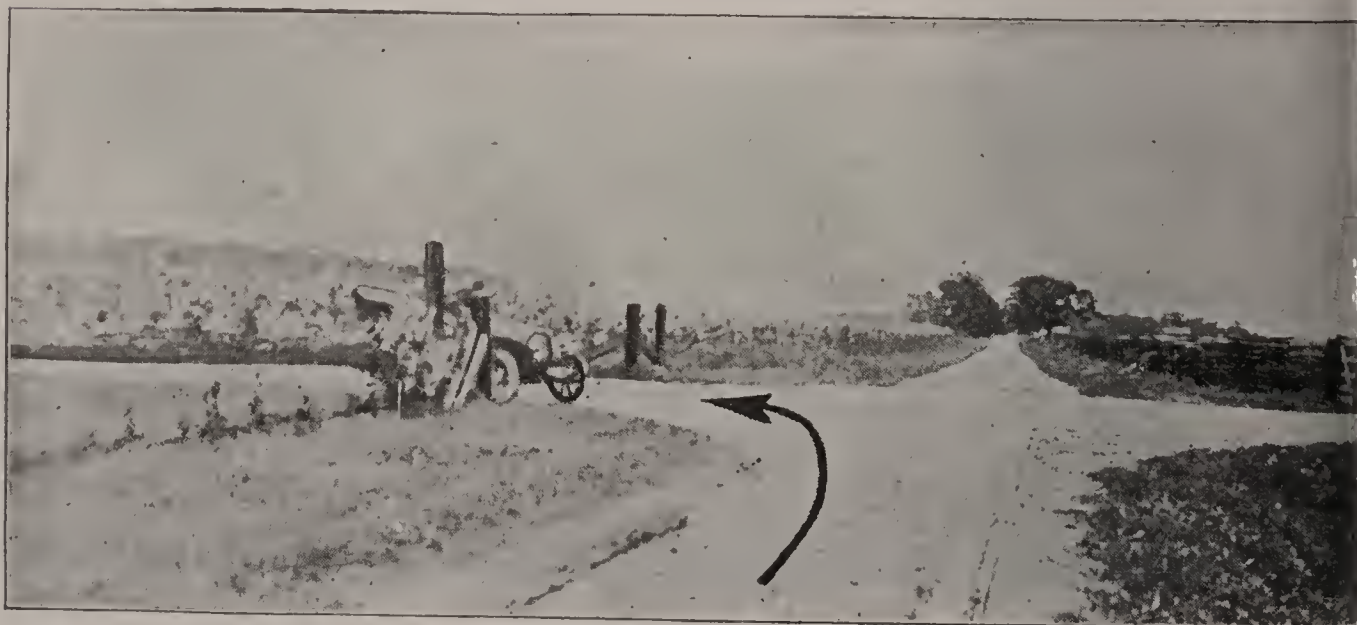
Memo .....

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No. 25A



Turn LEFT and East. All four corners vacant. Next photo  
two miles,

No. 26A



Turn RIGHT and South. All corners vacant. Next photo  
at end of road, two and one-tenth miles.

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No. 27A



Turn RIGHT at end of road. Go fifty feet west and then  
turn left and continue south. Next photo at end of road,  
five-tenths of a mile.



No. 28A



Turn LEFT and East at end of road. Next photo the  
tenths of a mile.

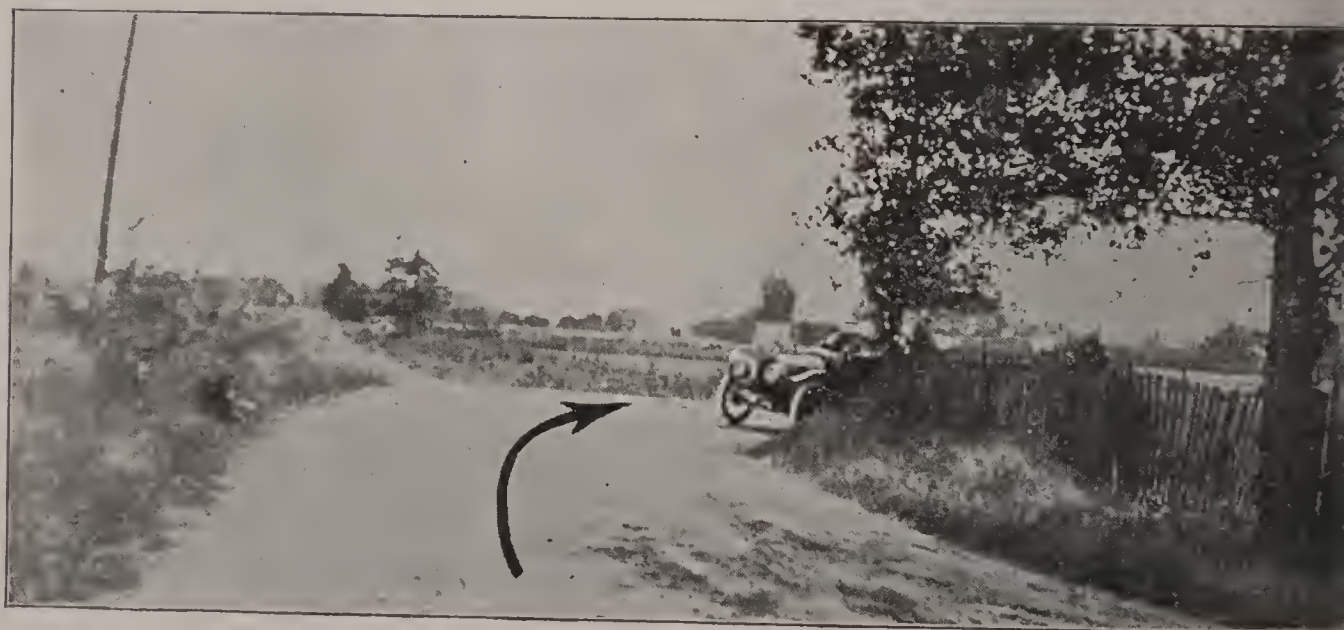
Memo .....

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No. 29A



Turn RIGHT and South. All corners vacant. Follow m  
wires. Next photo at end of road entering Tipton, fi  
tenths of a mile,

No. 30A



Turn LEFT at end of road on entering Tipton; go one hundred feet and turn right and continue south on Conday Street. Next photo six-tenths of a mile.

emo

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No. 31A



Turn LEFT and East from Conday Street into Jefferson Street. Next photo at court house, one-tenth of a mile.



No. 32A



Turn RIGHT and South at court house from Jefferson St.  
into Main Street. Keep going south after crossing bridge.  
Next photo at end of road, two and six-tenths miles.

Memo .....

No. 33A



Turn LEFT and East at end of road. Next photo at church  
seven-tenths of a mile.

No. 34A



Turn RIGHT and South. Church on right after turning.  
Next photo at end of road, five-tenths of a mile.

no

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No. 35A



Turn LEFT and East at end of road. Follow most wires.  
Next photo three-tenths of a mile.



No. 36A



Turn RIGHT and South. Follow most wires. Next photo  
at end of road entering Atlanta, one and five-tenths miles.

Memo .....

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No. 37A



ATLANTA

Turn RIGHT and West at end of road entering Atlanta.  
Next photo three-tenths of a mile.

No. 38A



Turn LEFT and South. Old blue house on left. Next photo  
one block.

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No. 39A



Turn RIGHT and West. Next photo at end of road, four-  
tenths of a mile.



No. 40A



Turn RIGHT and West at end of road. Next photo  
tenths of a mile.

Memo .....

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No. 41A



Turn LEFT and South. Follow wires. Next photo one  
five-tenths miles.

No. 42A



RIGHT and South. School on right after turning.  
Next photo entering Arcadia, one and four-tenths miles.

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No. 43A

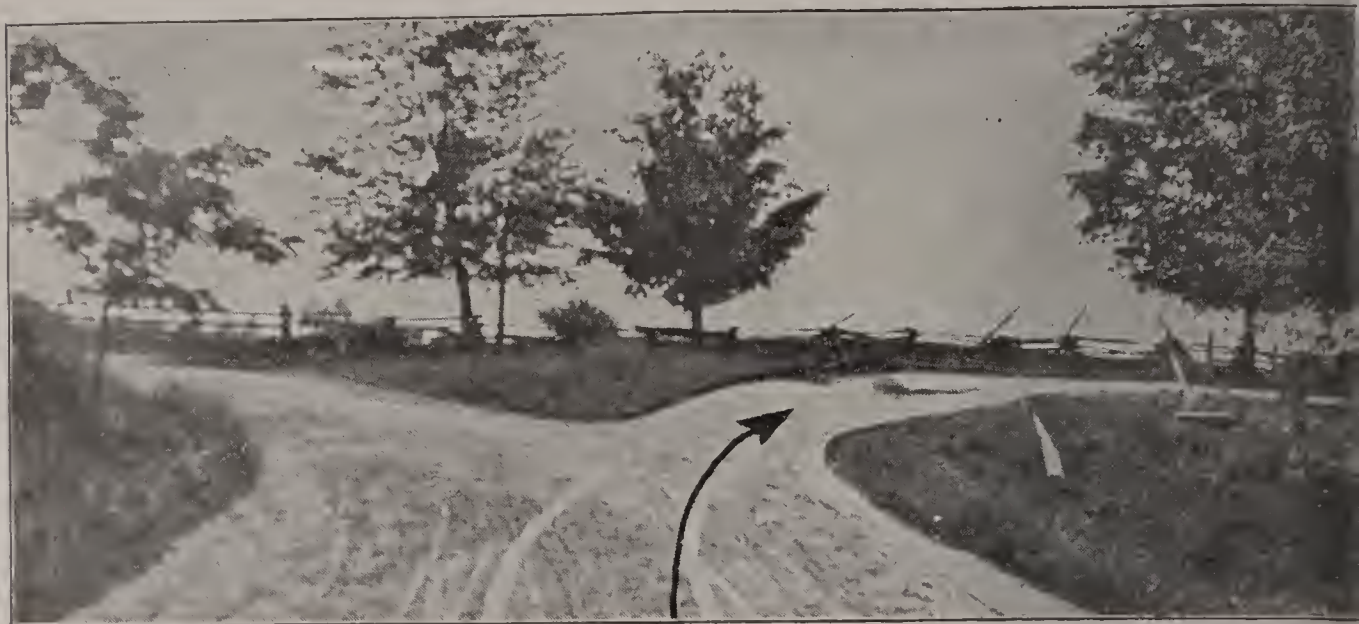


ARCADIA

LEFT and East into Main Street on entering Arcadia.  
Next photo at end of road, eight-tenths of a mile.



No. 44A



Turn RIGHT and South at end of road. Cicero three and two-tenths miles. Next photo entering Noblesville, north and five-tenths miles.

Memo .....

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No. 45A



NOBLESVILLE

Turn LEFT and cross bridge into Noblesville. Take road left after crossing bridge. Next photo one block from bridge.

No. 46A



RIGHT and South at Court House. Next photo entering Indianapolis, nineteen and five-tenths miles.

No. 47A



## INDIANAPOLIS

LEFT and South from 38th Street into Meridian Street. Next photo Soldiers' and Sailors' Monument, four and one-tenth miles. For the best Garage go to the Fisher Automobile Company, 330 N. Illinois Street. Turn right on Vermont Street, three blocks before reaching Monument, one block and turn left into Illinois Street. The garage is in the center of the block between Vermont Street and New York Street. This garage is the best and is fully equipped to do any kind of repairing and will give good service in every way.





## FISHER'S GARAGE

The Fisher Automobile Company, located at 330 N. Illinois Street, conduct the largest and best Garage in Indianapolis. They are fully equipped to do any kind of repairing and will give good service in every way. Special attention given to tourists.

Memo \_\_\_\_\_

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No. 48A



SOLDIERS' AND SAILORS' MONUMENT

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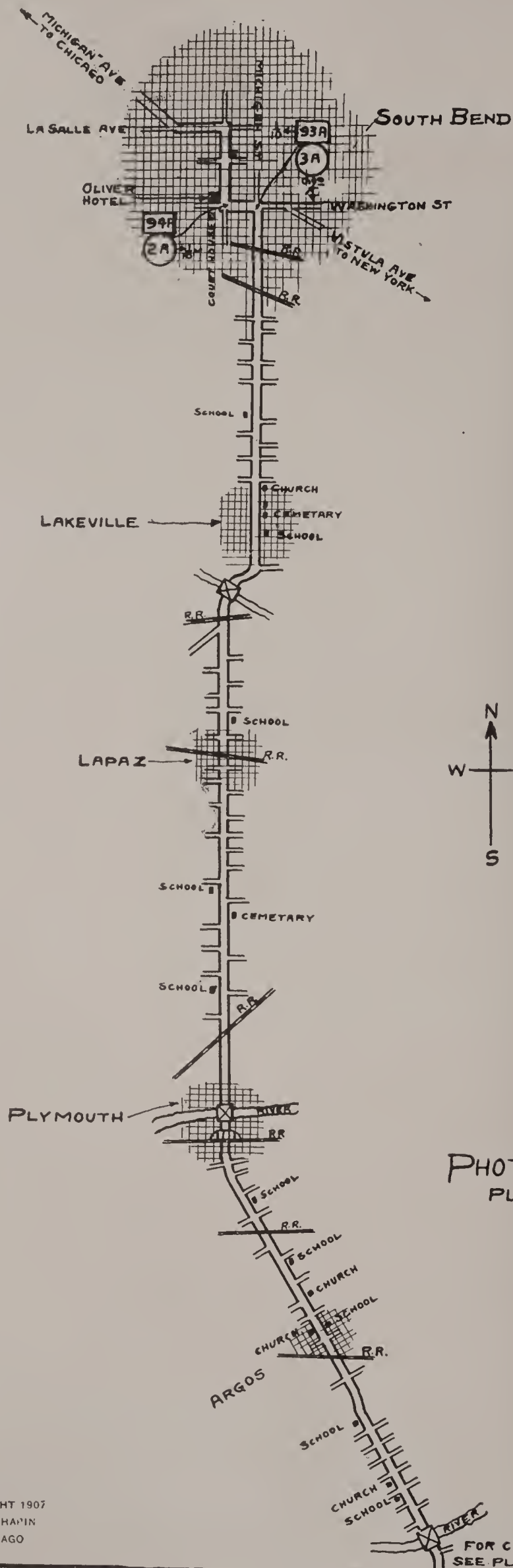
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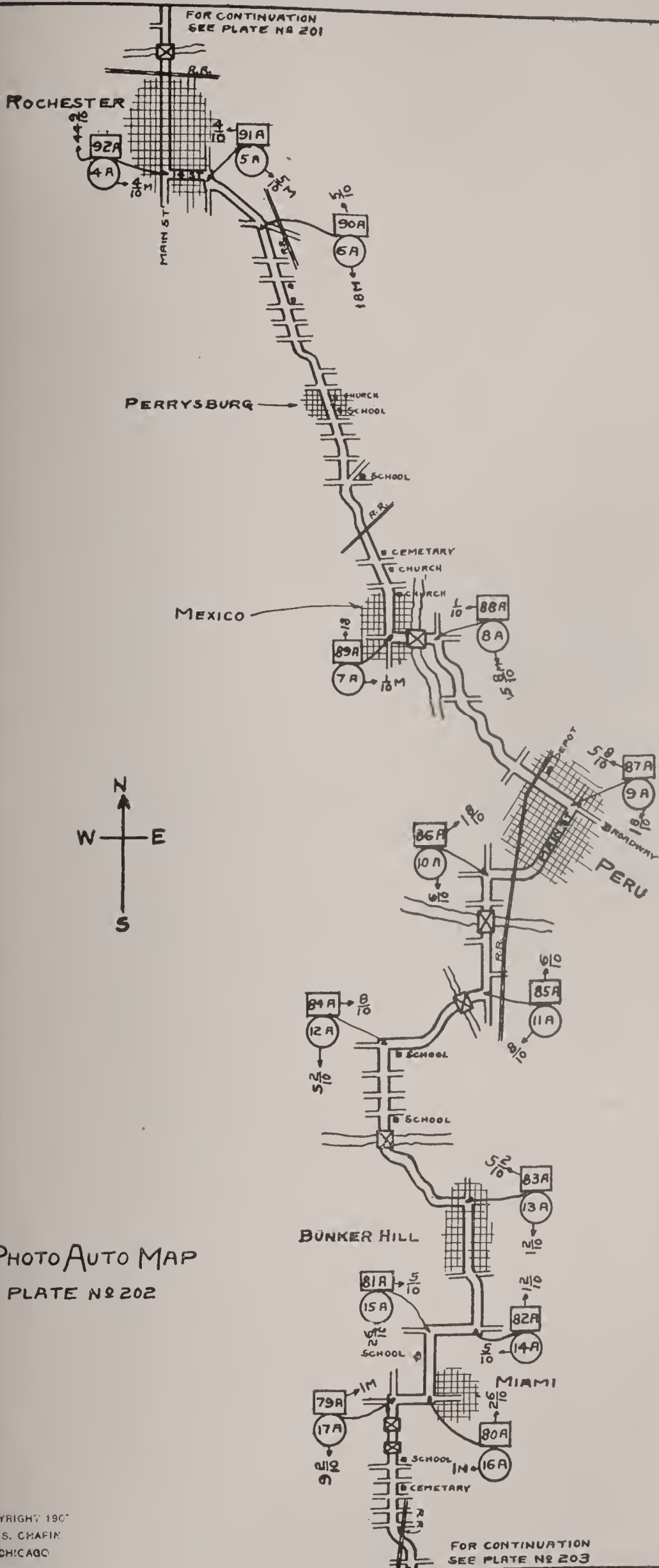
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Prest-O-Lite Co. in Indianapolis invites tourists to visit their factory at 20 South East Street. There you can see how the air and gas tanks are filled and tested.

National Automobile Co. also invites visitors to go through their factory where the National Automobiles are built.









FOR CONTINUATION  
SEE PLATE N2 202

GARAGE  
MULBERRY  
KOKOMO

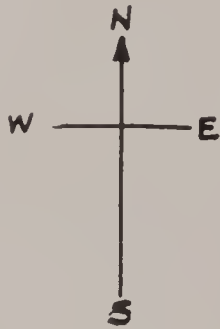
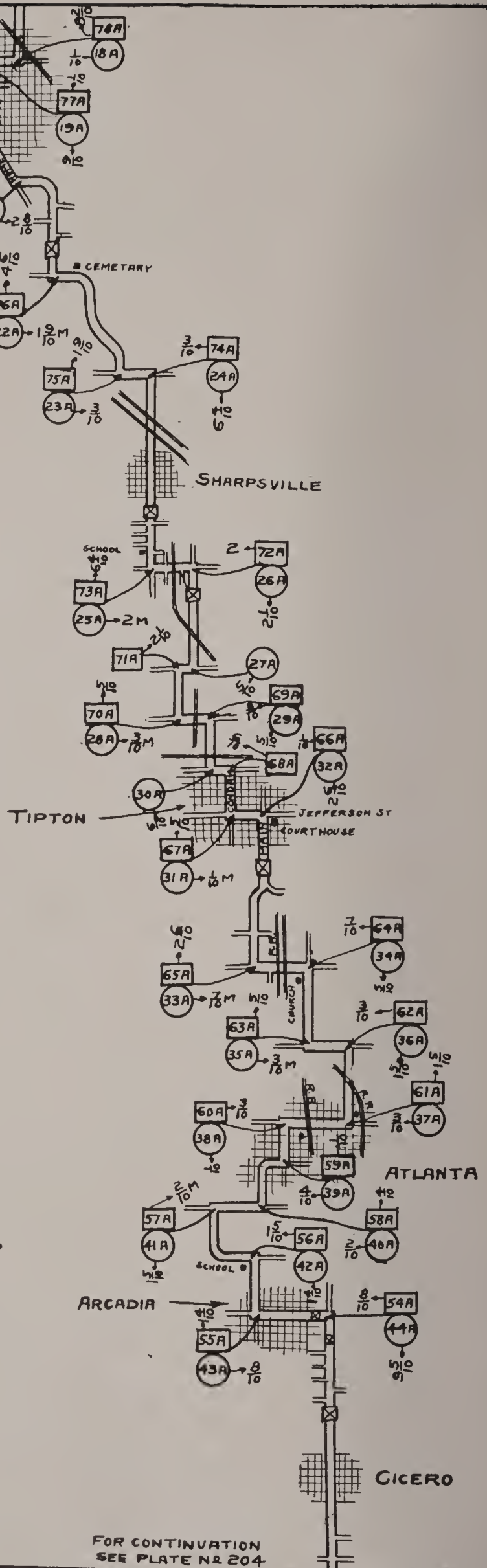


PHOTO AUTO MAP  
PLATE N2 203

COPYRIGHT 1907  
G. S. CHAPIN  
CHICAGO



FOR CONTINUATION  
SEE PLATE N2 204







# PHOTO-AUTO MAPS

INDIANAPOLIS TO SOUTH BEND





## FISHER'S GARAGE

The Fisher Automobile Company, located at 330 N. Illinois Street, conduct the largest and best Garage in Indianapolis. They are fully equipped to do any kind of repairing and will give good service in every way. Special attention given to tourists.

Memo \_\_\_\_\_

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No. 50A



## INDIANAPOLIS

ve the Soldiers' and Sailors' Monument and go North on  
Meridian Street. Next photo at end of pavement, four  
and one-tenth miles. For the best Garage in Indianapolis  
go to the Fisher Automobile Company, 330 N. Illinois Street,  
one block west and two and one-half blocks north of the  
monument. This is the largest garage in the city and will  
ve good service in every way.



No. 51A



Turn RIGHT and East from Meridian Street at end of p  
ment into 38th Street. Next photo in Noblesville, nine  
and five-tenths miles.

Memo .....

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No. 52A



NOBLESVILLE

Turn LEFT and West, court house on right before turn  
Go one block and cross bridge. Next photo at end of br

No. 53A



on RIGHT at end of bridge. Cicero, six and three-tenths miles. Next photo entering Arcadia, nine and five-tenths miles.

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No. 54A



ARCADIA

on LEFT and West entering Arcadia. Next photo leaving Arcadia, eight-tenths of a mile.



No. 55A



Turn RIGHT and North from Main Street. Next photo at end of road, one and four-tenths miles.

Memo .....

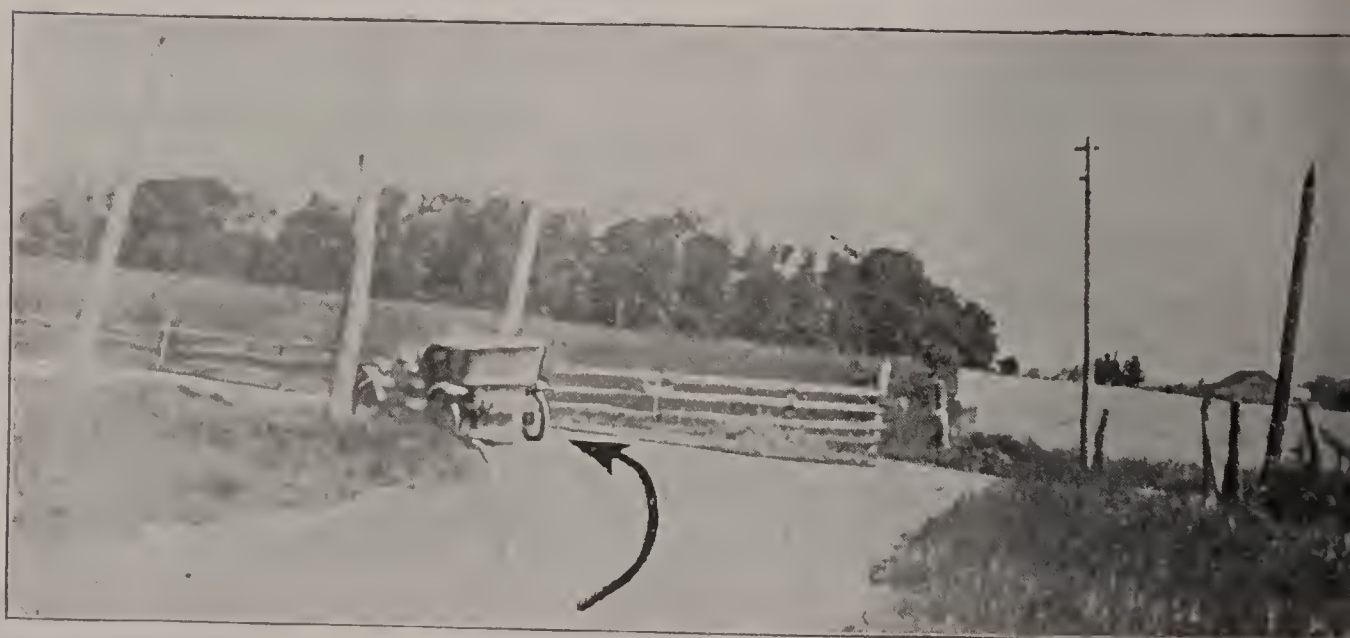
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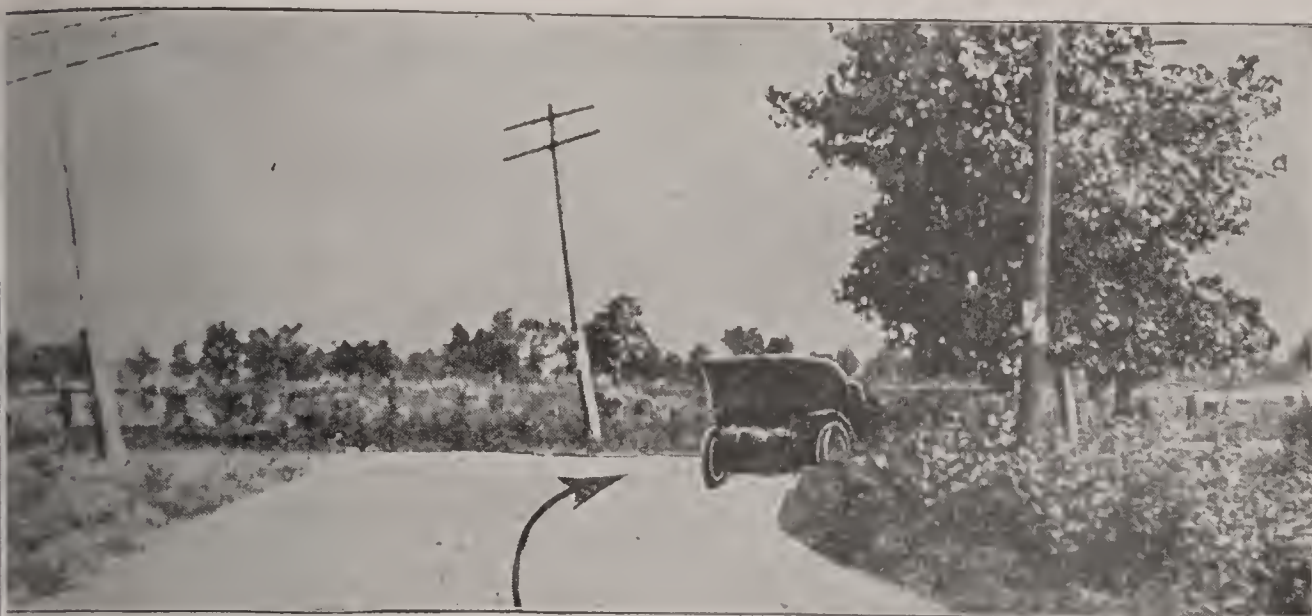
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No. 56A



Turn LEFT and West at end of road. Next photo at end of road, one and five-tenths miles.

No. 57A



Turn RIGHT and East at end of road. Next photo entering  
Atlanta, two-tenths of a mile.

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No. 58A



ATLANTA

Turn LEFT and North entering Atlanta. Next photo four-  
tenths of a mile.



No. 59A



Turn LEFT and North into first street after turn in road.  
Next photo at end of street, one-tenth of a mile.

Memo .....

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No. 60A



Turn RIGHT and East at end of street. Next photo  
interurban station, three-tenths of a mile.

No. 61A



LEFT and North at interurban station. Next photo at  
end of road, one and five-tenths miles.

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No. 62A



LEFT and West at end of road. Next photo three-  
fourths of a mile.



No. 63A



Turn RIGHT and North; follow wires. Next photo passing church, five-tenths of a mile.

Memo .....

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No. 64A



Turn LEFT and West. Church on left before turning. Next photo seven-tenths of a mile.

No. 65A



RIGHT and North. All corners vacant. Follow most  
res. Next photo in Tipton, two and six-tenths miles.

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No. 66A



TIPTON

LEFT from Main Street into Jefferson Street. Court  
house on right before turning. Next photo one-tenth of a  
mile.



No. 67A



Turn RIGHT and North from Jefferson Street into Con  
Street. Next photo at end of street, five-tenths of a

Memo .....

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No. 68A



Turn LEFT and go one hundred feet West; then turn  
and continue north. Next photo at end of road, six-te  
of a mile.

No. 69A



Turn LEFT and West at end of road. Follow wires. Next photo three-tenths of a mile.

no

No. 70A



Turn RIGHT and North. Follow most wires. Next photo end of road, five-tenths of a mile.



No. 71A



Turn RIGHT and East at end of road. Go fifty feet and left and continue north. Next photo two and one-half miles.

Memo \_\_\_\_\_

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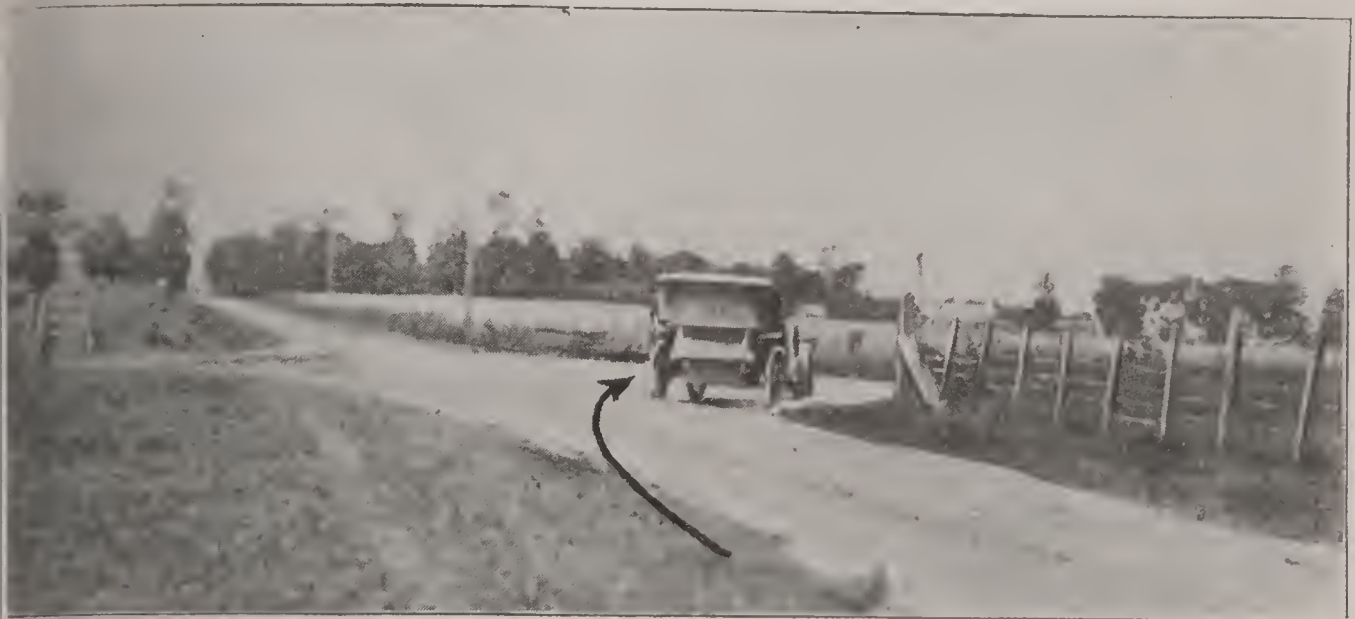
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No. 72A



Turn LEFT and West. Corners vacant. This corner is easily missed; watch it! Next turn two miles.

No. 73A



Turn RIGHT and North. Corners vacant. Sharpville three and four-tenths miles. Next photo at end of road, six and four-tenths miles.

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No. 74A



Turn LEFT and West at end of road. Next photo three-tenths of a mile.



No. 75A



Turn RIGHT and North. Next photo one and nine-tenths miles.

Memo .....

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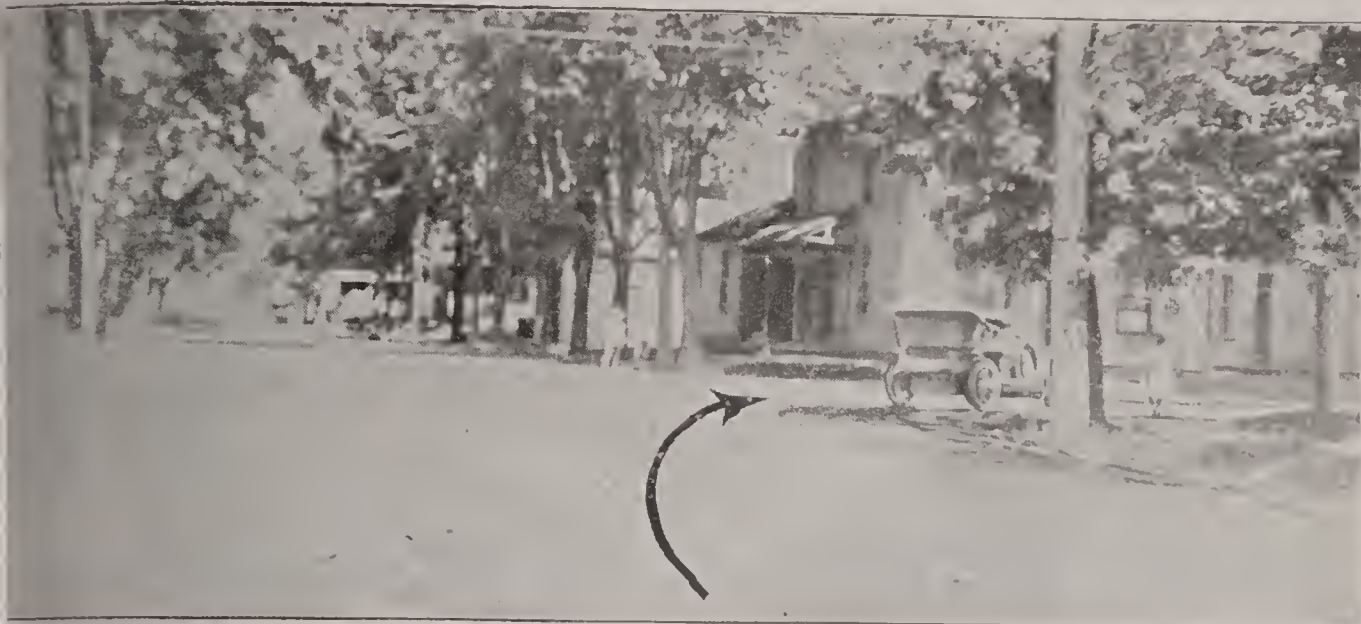
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No. 76A



Turn RIGHT and North. Next photo in Kokomo, four and six-tenths miles.

No. 77A



KOKOMO

Turn RIGHT and East. Follow car tracks. For the best Garage in Kokomo turn left into Mulberry Street at Library, one block before making this turn. The Kokomo Automobile Co. is equipped to do all kinds of repairing and will do good work very quickly. Next turn one-tenth of a mile.

Haynes Automobile Co. invites all tourists going through Kokomo to visit their factory on Union Street, near Foster Street. The factory is one of the best equipped in the country and someone is always on hand to show visitors through the entire plant.

mo .....

No. 78A



Turn LEFT and North. Follow car tracks. Next turn nine and three-tenths miles.



No. 79A



Turn RIGHT and East. Follow most wires. Next photo  
edge of Miami, one mile.

Memo .....

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No. 80A



MIAMI

Turn LEFT and North at edge of Miami. Follow wires. N  
photo at end of road, two and six-tenths miles.

No. 81A



Turn RIGHT and East at end of road. Next photo five-tenths of a mile.

memo .....

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No. 82A



Turn LEFT and North. Large barns on right before turning. Next photo leaving Bunker Hill, one and two-tenths miles.



No. 83A



### BUNKER HILL

Turn LEFT and West leaving Bunker Hill. Next photo  
end of road, five and two-tenths miles.

Memo .....

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No. 84A



Turn RIGHT and East at end of road. Next photo at e  
of road, eight-tenths of a mile.

No. 85A



Turn LEFT and North at end of road. Next photo six-tenths of a mile.

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No. 86A



Turn RIGHT and East. Follow car tracks. Next photo in Peru, one and eight-tenths miles.



No. 87A



### PERU

Turn LEFT from Main Street into Broadway. Next to  
five and eight-tenths miles.

Memo \_\_\_\_\_

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No. 88A



Turn LEFT and cross bridge into Mexico. Next photo  
Mexico, one-tenth of a mile.

No. 89A



MEXICO

Turn RIGHT and North into Main Street. Perrysburg, five and eight-tenths miles. Next photo eighteen miles.

emo

No. 90A



Turn LEFT slightly and go straight for tower in Rochester. Next turn entering Rochester, five-tenths of a mile.



No. 91A



ROCHESTER

Make "S" turn entering Rochester. Next photo at end of street, four-tenths of a mile.

Memo .....

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No. 92A



Turn RIGHT and North at end of 14th Street into M Street. Argos, twelve and two-tenths miles. Plymouth, twenty miles. Lapaz, twenty-eight and six-tenths miles. Lakeville, thirty-four miles. Make "S" turn entering Lakeville and continue north. Next photo South Bend, for four and five-tenths miles.



No. 93A



### SOUTH BEND

Turn LEFT and West from Michigan Street into Washington Street. Next photo (94A) one block.

mo



### THE TWENTIETH CENTURY GARAGE

SOUTH BEND, IND.

located one block WEST of Hotel Oliver, and half a block south on right hand side of street. This garage is equipped with a first-class machine shop and special attention is given to tourists.



No. 94A



## HOTEL OLIVER, SOUTH BEND, IND.

The Hotel Oliver is one of the best Hotels in the West. It run on both the American and European plan and the cuisine is excellent. The finishing point for run from Indianapolis to South Bend.

Memo

# PHOTO-AUTO MAPS

TOLEDO TO DETROIT  
DETROIT TO TOLEDO



TOLEDO, OHIO

The best garage in the West. 2815 Monroe Street. Sundries repairing and charging. Leave the tavern on the LEFT go two and one-half blocks down St. Clair Street and turn right into Monroe Street. Atwood Automobile Company on Monroe Street near Bancroft Street. Agents for the Franklin, Elmore and Pope-Hartford.

# Memo

No. 1B



## THE TAVERN, TOLEDO, OHIO

This is the best Hotel in Toledo for the accommodation of tourists. It is run on the European plan, with a fine Cafe and Grill Room in connection. Leave the Tavern on the LEFT. Next photo one-half block.

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No. 2B



Turn RIGHT from St. Clair Street into Madison Avenue.  
Next photo one and two-tenths miles.

Memo .....

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No. 3B



Turn RIGHT and North from Woodruff Avenue into Collingwood Avenue. Next photo in Monroe, nineteen and seven-tenths miles.

No. 4B



MONROE

Turn RIGHT and East at end of street. Power house on left after turning. Next photo eight-tenths of a mile.

emo

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No. 5B



Turn LEFT and North before going over second railroad crossing. Two railroad bridges on right. Next photo seven-tenths of a mile.



No. 6B



Turn RIGHT and North-East. Follow most wires. Next photo, Neuport, seven and two-tenths miles.

Memo .....

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No. 7B



NEUPORT

Turn slightly to RIGHT and cross bridge. Church on left  
Next photo five and four-tenths miles

No. 8B



Turn slightly to LEFT after crossing bridge. Follow wires.  
Next photo, Trenton, six and four-tenths miles.

emo .....

No. 9B



TRENTON

Turn RIGHT and East on entering Trenton. Next photo  
two-tenths of a mile.



No. 10B



Turn LEFT into Main Street. Wyandotte four and five tenths miles. Next photo in Detroit, twelve and six-tenths miles.

Memo .....

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No. 11B



DETROIT

Turn LEFT from Jefferson Street into Clark Street. Follow car tracks. Next photo three-tenths of a mile.

No. 12B



Turn RIGHT from Clark Street into Fort Street. Next  
photo at Campus Martius and Cadillac Square, two and four-  
tenths miles.

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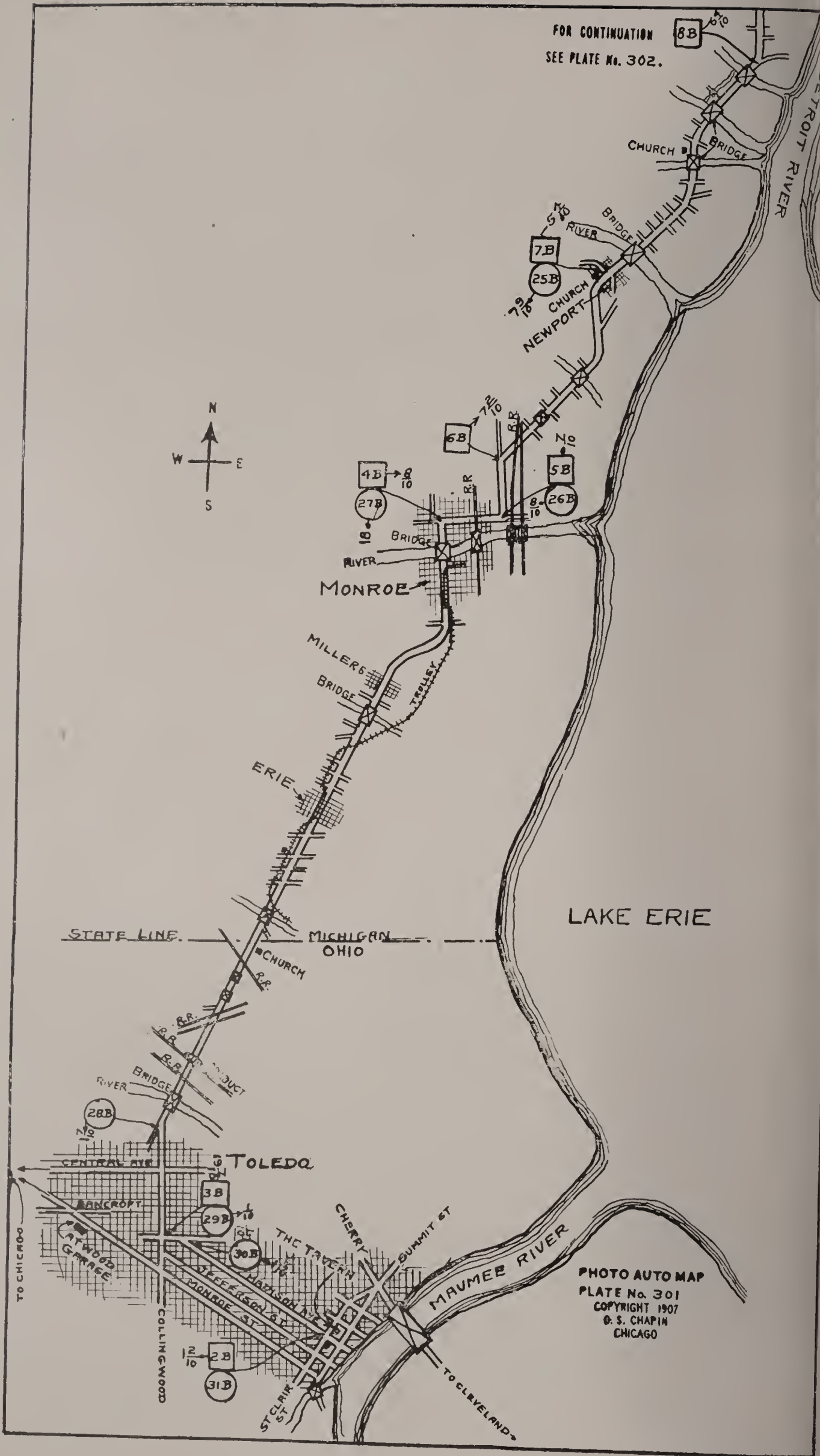
No. 13B



CENTER OF CITY.

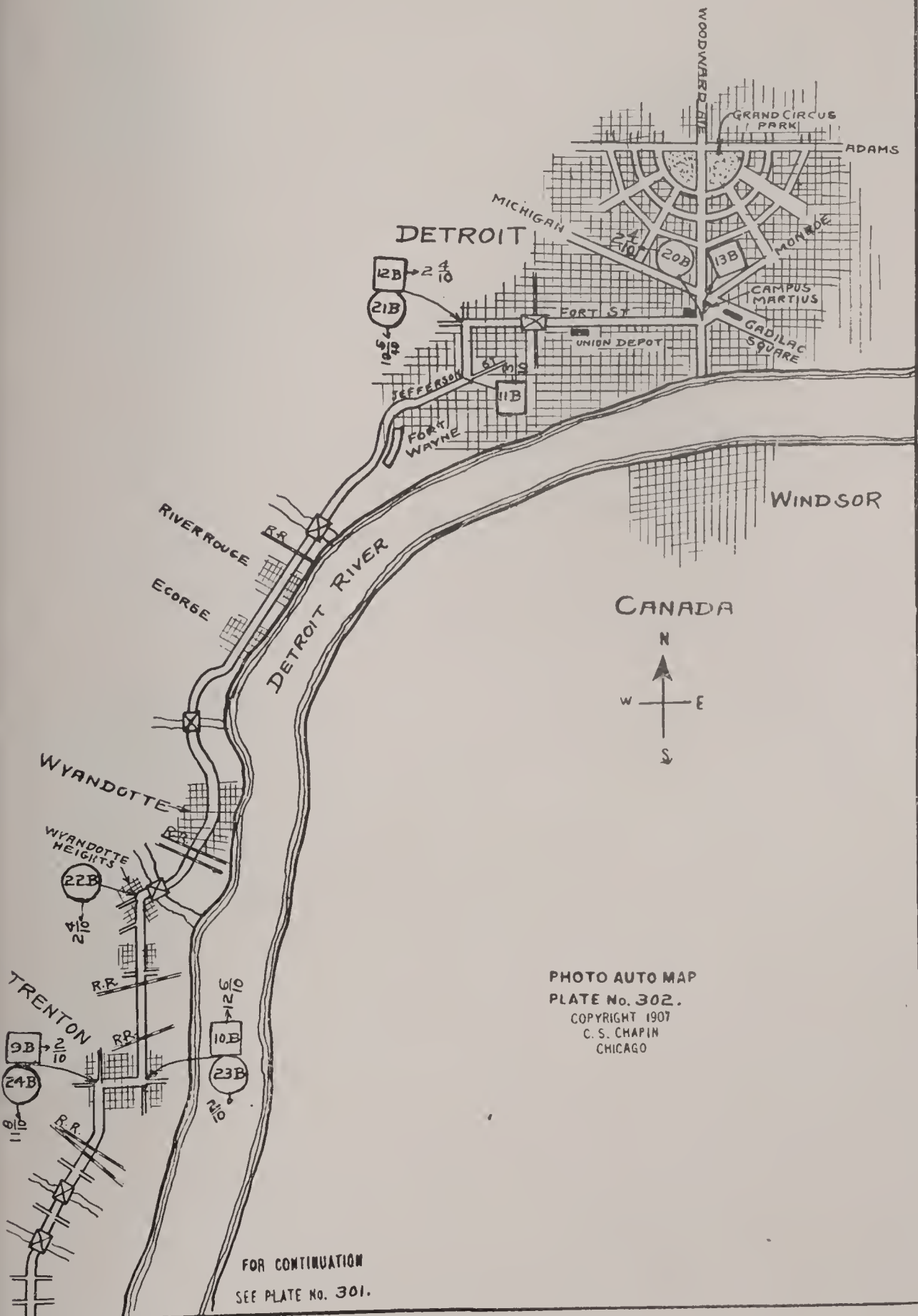


FOR CONTINUATION  
SEE PLATE No. 302.



LAKE ERIE

PHOTO AUTO MAP  
PLATE No. 301  
COPYRIGHT 1907  
O. S. CHAPIN  
CHICAGO





No. 20B



DETROIT

Center of city. Go WEST on Fort Street. Next photo two and four-tenths miles.

Memo .....

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No. 21B



Turn LEFT from Fort Street into Clark Street. Bathing springs on right before turning. Wyandotte eight and four-tenths miles. Next photo in Wyandotte Heights, ten and five-tenths miles.

No. 22B



### WYANDOTTE HEIGHTS

Turn LEFT and South. Follow car tracks and wires. Next photo in Trenton, two and four-tenths miles.

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No. 23B



### TRENTON

Turn RIGHT and leave Main Street one block after passing hotel. Next photo two-tenths of a mile.



No. 24B



Turn LEFT and South. Next photo in Neuport, eleven and eight-tenths miles.

Memo .....

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No. 25B



NEUPORT

Turn slightly to LEFT. Church on right of turn. Next photo seven and nine-tenths miles.

No. 26B



Turn RIGHT and West at end of road. River on left after turning. Next photo in Monroe, eight-tenths of a mile.

emo .....

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No. 27B



MONROE

Turn LEFT and South. Power house on right before turning, school on right after turning. Next photo eighteen miles.



No. 28B



Turn LEFT and South at fork. Follow car tracks. Next photo in Toledo, one and seven-tenths miles.

Memo .....

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No. 29B



TOLEDO

Turn LEFT from Collingwood Avenue into Woodruff. Next photo one block.

No. 30B



Turn RIGHT from Woodruff Avenue into Madison Avenue.  
Next photo one and one-tenth miles.

emo .....

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No. 31B



Turn LEFT from Madison Avenue into St. Clair Street. The  
Tavern one-half block.



No. 32B



## THE TAVERN, TOLEDO, OHIO

This is the best Hotel for the accommodation of tourists.  
It is run on the European plan and has a fine Cafe and Gr  
Room in connection.

Memo .....

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# ATWOOD GARAGE

2815 MONROE ST., TOLEDO, OHIO

the best Garage in Toledo. Sundries, repairing and charging. Leave Tavern on LEFT and go two and one-half blocks to Monroe Street (photo No. 606). Garage is on Monroe, near Bancroft Street. Agents for the Franklin, Elmore and Pope-Hartford.

emo





# PHOTO-AUTO MAPS

ALBANY TO SARATOGA SPRINGS  
SARATOGA SPRINGS TO ALBANY





## ALBANY GARAGE CO.

28-30 HOWARD STREET

Absolutely fireproof. Storage, repairs and supplies. Agents for the Peerless, Stevens-Duryea, Thomas, Matheson, Isotta Fraschini and the S. & M. Simplex. Leave the Terminal Building on the RIGHT and go up State Street to first street on left. Turn left into Lodge Street. Go one block and turn left into Howard Street.

Memo.

No. 1C



## THE TEN EYCK, ALBANY, N. Y.

STARTING POINT for run from Albany to Saratoga Springs.  
The most attractive hotel in New York State. Fireproof.  
European plan. Near State Capitol and other points of  
interest. Leave hotel on right and go to end of State  
Street (photo No. 2C).

memo .....

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No. 2C



### STATE CAPITOL

Turn RIGHT at end of State Street. Go to next street and turn left around Capitol. Next photo six-tenths of a mile.

Memo .....

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No. 3C



Turn RIGHT at fork. Follow car tracks. Next photo on block.

No. 4C



Turn RIGHT and cross bridge. Next photo seven-tenths of a mile.

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No. 5C



Turn LEFT at end of road. Next photo nine-tenths of a mile.



No. 6C



Turn LEFT at cross-roads. Next photo six and two-tenths miles.

Memo

No. 7C



Turn RIGHT. Next photo one and two-tenths miles.

No. 8C



Turn LEFT. Schoolhouse on right. Next photo in Cohoes,  
one and nine-tenths miles.

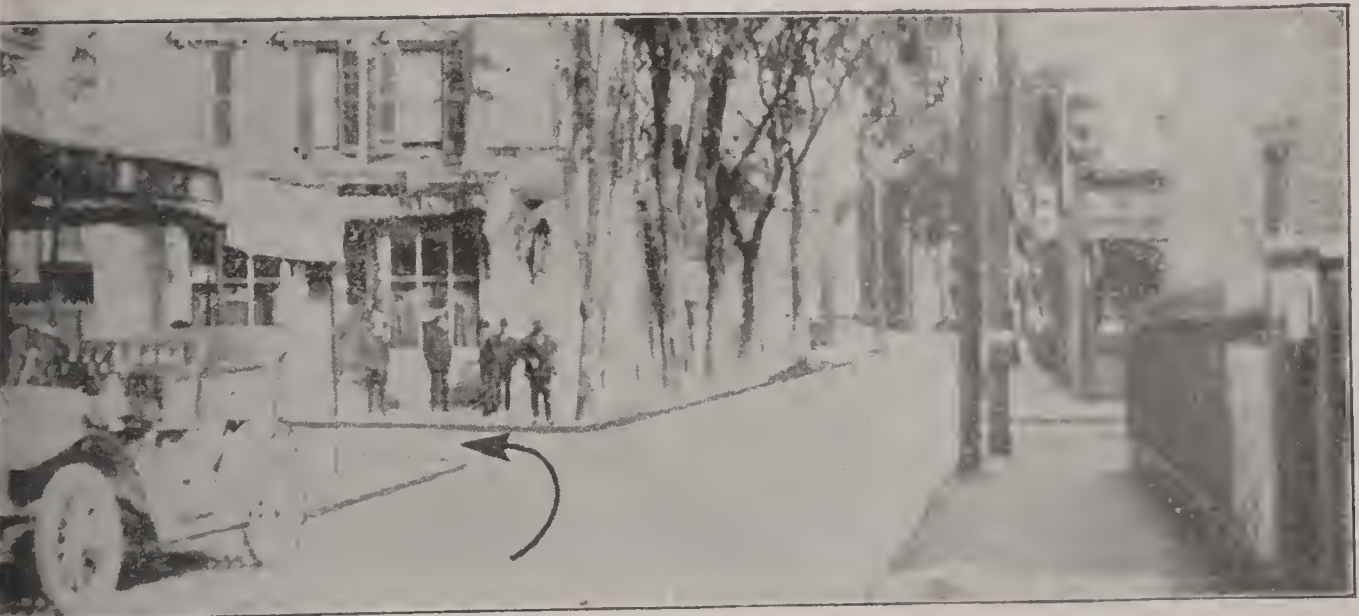
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No. 9C



COHOES

Turn LEFT after crossing canal. Next photo one-tenth of a  
mile.



No. 10C



Turn RIGHT. Next photo at end of street, two-tenths of a mile.

Memo .....

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No. 11C



Turn LEFT from White Street into Mohawk Street. Next photo one-tenth of a mile.

No. 12C



Turn RIGHT at City Hall. Next photo one-tenth of a mile.

emo

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No. 13C



Turn LEFT. Next photo one and four-tenths miles.



No. 14C



Turn LEFT at fork. Go one-tenth of a mile and cross bridge over canal. Then follow car tracks to next photo in Watford, five-tenths of a mile.

Memo .....

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No. 15C



WATERFORD

Turn LEFT. Next photo seven and two-tenths miles.

No. 16C



Turn RIGHT with car tracks. Next photo in Mechanicsville,  
one and one-tenth miles.

emo .....

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No. 17C



MECHANICSVILLE

Turn LEFT at branch in car tracks. Next photo one-tenth  
of a mile.



No. 18C



Turn RIGHT just before reaching railroad tracks. Follow tracks to next photo, three-tenths of a mile.

Memo .....

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No. 19C



STRAIGHT AHEAD. Next photo at end of road, three-tenths of a mile.

No. 20C



Turn LEFT at end of road. Next photo at bridge, two-tenths of a mile.

emo

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No. 21C



Turn LEFT after crossing bridge. Next photo one and seven-tenths miles.



No. 22C



Take LEFT road at fork. Next photo in Maltaville, th  
and five-tenths miles.

Memo .....

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No. 23C



MALTAVILLE

Turn sharply to the RIGHT. Next photo one-tenth of a m

No. 24C



Turn LEFT and cross small bridge. Next photo at village of Dunning Street, two and one-tenth miles.

Memo .....

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No. 25C



DUNNING STREET

STRAIGHT AHEAD at village. Next photo two and nine-tenths miles.



No. 26C



Keep to the RIGHT. Follow wires. Next photo in Saratoga Springs, two and seven-tenths miles.

Memo .....

No. 27C



UNITED STATES HOTEL  
SARATOGA SPRINGS, N. Y.

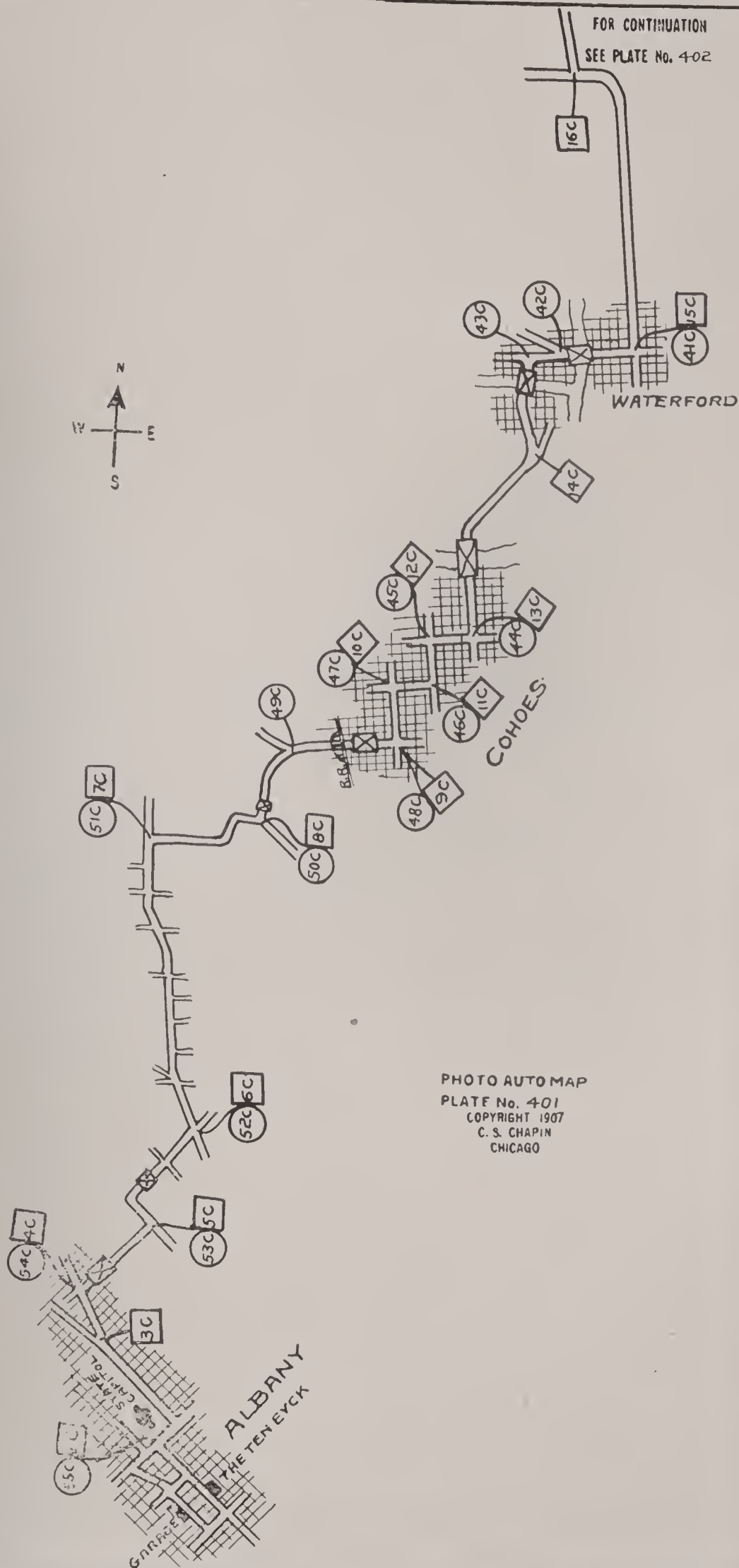


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CHICAGO



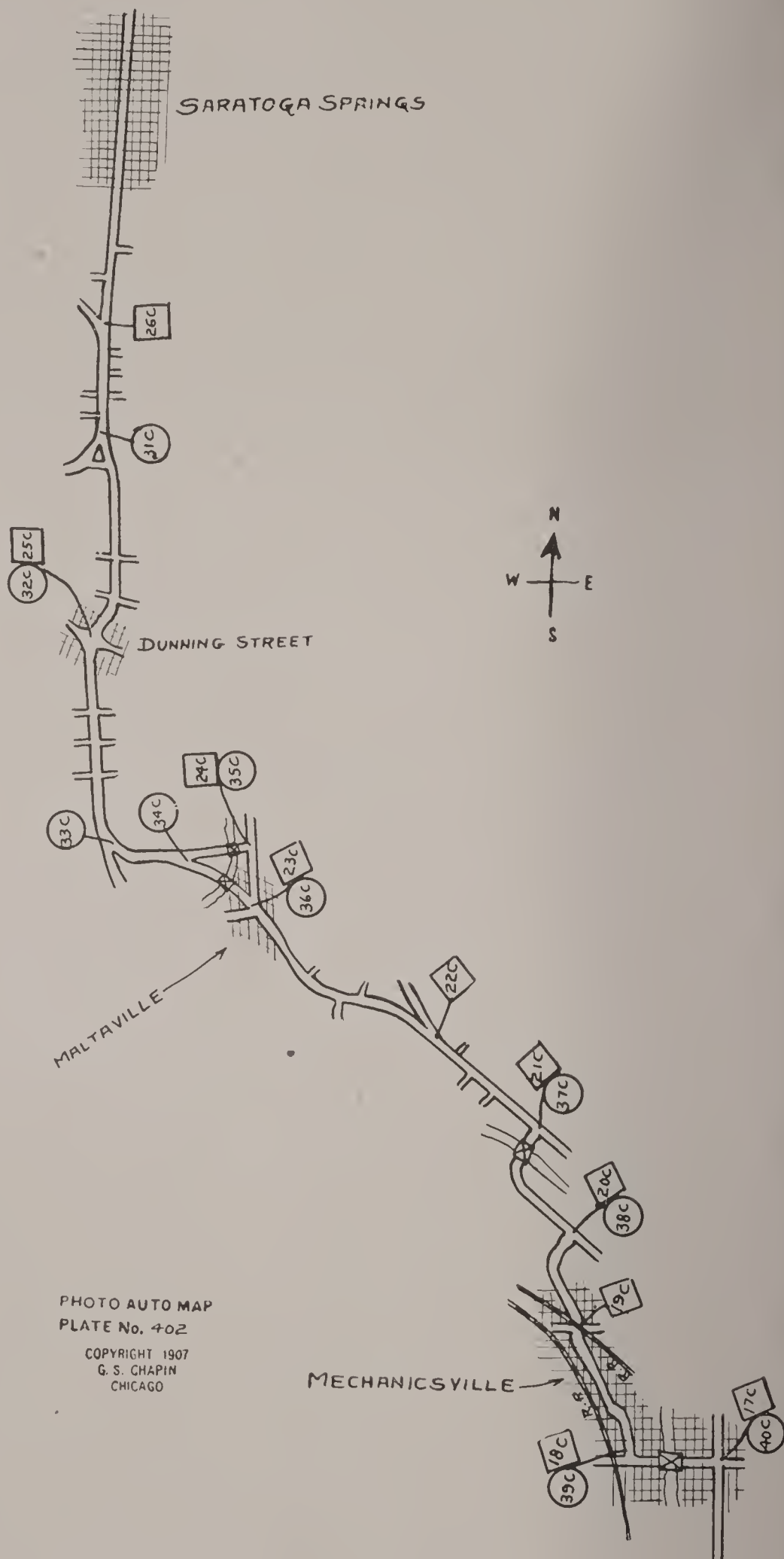


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CHICAGO

FOR CONTINUATION  
SEE PLATE No 401

# PHOTO-AUTO MAPS

SARATOGA SPRINGS TO ALBANY



No. 30C



**UNITED STATES HOTEL**  
SARATOGA SPRINGS, N. Y.

Leave hotel on the RIGHT and go South on Broadway  
Next photo (No. 31C) four and nine-tenths miles.

No. 31C



Keep to the LEFT. Next photo at village of Dunning  
Street, two and nine-tenths miles.

No. 32C



DUNNING STREET

Keep to the LEFT through village. Next photo one and eight-tenths miles.

emo

No. 33C



Turn LEFT at fork. Next photo two-tenths of a mile.



No. 34C



Turn LEFT at fork. Next photo at end of road, one-tenth of a mile.

Memo \_\_\_\_\_

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No. 35C



Turn RIGHT at end of road. Next photo in Maltaville, one-tenth of a mile.

No. 36C



MALTAVILLE

Turn LEFT at end of road. Next photo five and two-tenths miles.

mo .....

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No. 37C



Turn RIGHT and cross bridge. Next photo two-tenths of a mile.



No. 38C



Turn RIGHT and leave creek. Follow road to railroad, then follow tracks to next photo, six-tenths of a mile.

Memo \_\_\_\_\_

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No. 39C



## MECHANICSVILLE

Turn LEFT at end of street. Railroad on right. Next photo one-tenth of a mile.

No. 40C



Turn RIGHT at end of street. Next photo in Waterford,  
eight and three-tenths miles.

emo

No. 41C



WATERFORD

Turn RIGHT. Next photo just after crossing canal, two-  
tenths of a mile.



No. 42C



Turn LEFT with car tracks just after crossing canal. Next photo four-tenths of a mile.

Memo .....

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No. 43C



Turn LEFT and cross bridge over canal. Next photo Cohoes, one and five-tenths miles.

No. 44C



### COHOES

Turn RIGHT with car tracks. Next photo one-tenth of a mile.

emo

No. 45C



Turn LEFT opposite City Hall. Next photo one-tenth of a mile.



No. 46C



Turn RIGHT. Next photo two-tenths of a mile.

Memo .....

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No. 47C



Turn LEFT. Next photo one-tenth of a mile.

No. 48C



Turn RIGHT and cross canal. Next photo one and four-tenths miles.

emo .....

No. 49C



Turn LEFT at fork. Next photo at end of road, five-tenths of a mile.



No. 50C



Turn RIGHT at end of road. Next photo at end of road  
one and two-tenths miles.

Memo .....

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No. 51C



Turn LEFT at end of road. Next photo six and two-tenths  
miles.

No. 52C



Turn RIGHT at cross-roads. Next photo nine-tenths of a mile.

Memo .....

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No. 53C



Turn RIGHT. Next photo in Albany, seven-tenths of a mile.



No. 54C



### ALBANY

Turn LEFT after crossing large bridge. Next photo at end of street, seven-tenths of a mile.

Memo .....

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No. 55C



Turn RIGHT around Capitol, then turn left into first street (State Street). Hotel Ten Eyck two-tenths of a mile.

No. 56C



## THE TEN EYCK, ALBANY, N. Y.

FINISHING POINT for run from Saratoga Springs to Albany.  
The most attractive hotel in New York State. Fireproof.  
European plan. Near State Capitol and other points of  
interest.

Memo.....  
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## ALBANY GARAGE CO.

## 28-30 HOWARD STREET

Absolutely fireproof. Storage, repairs and supplies. Agent for the Peerless, Stevens-Duryea, Thomas, Matheson, Isotta Fraschini and the S. & M. Simplex. Leave the Te Eyck on RIGHT and go up State Street to first street on left. Turn left into Lodge Street. Go one block and turn left into Howard Street. Garage on right-hand side of street.

# Memo

FOR CONTINUATION  
SEE PLATE N°2.

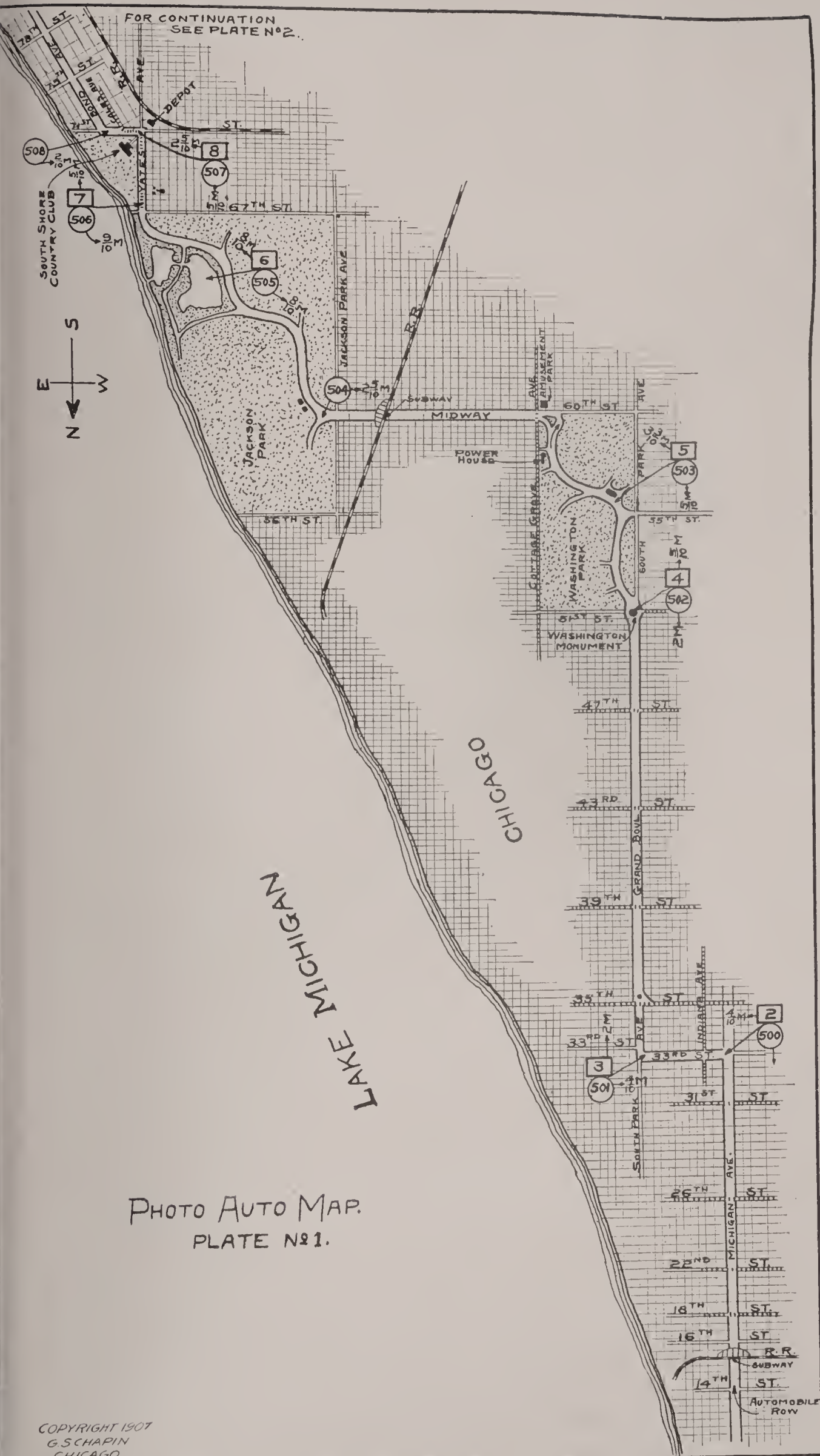
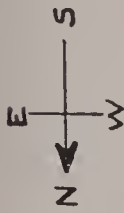


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PLATE N°1.



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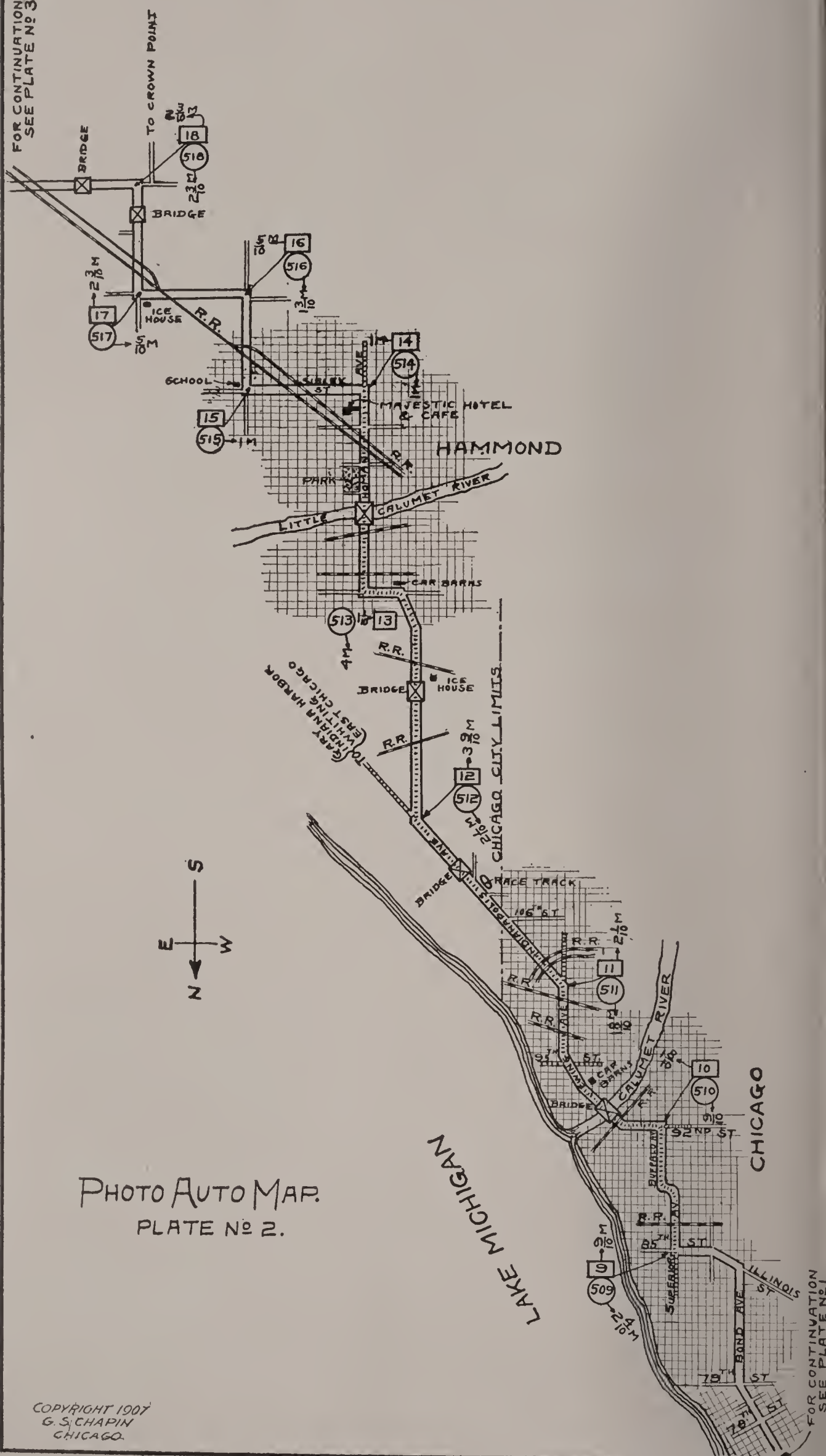


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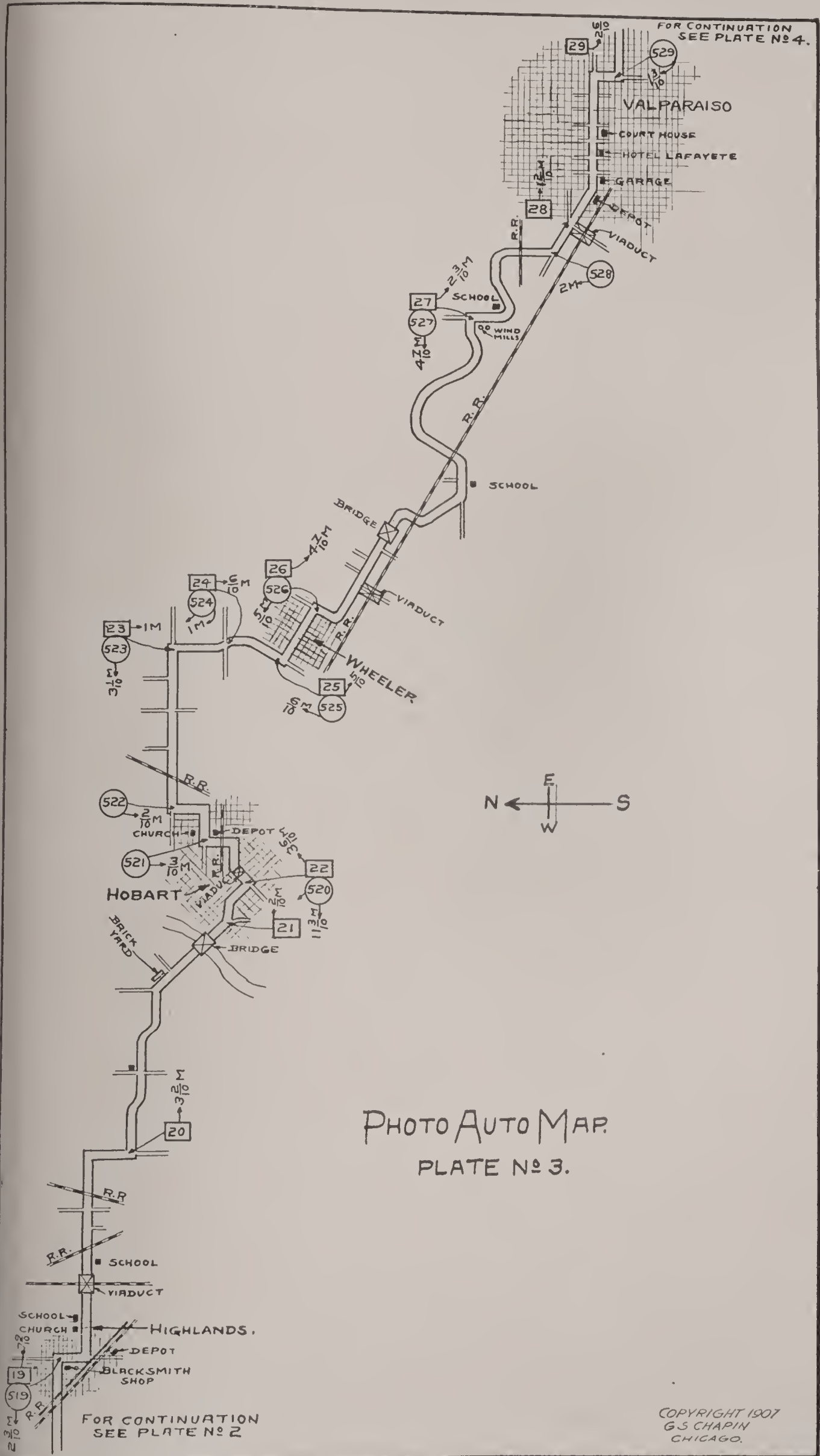
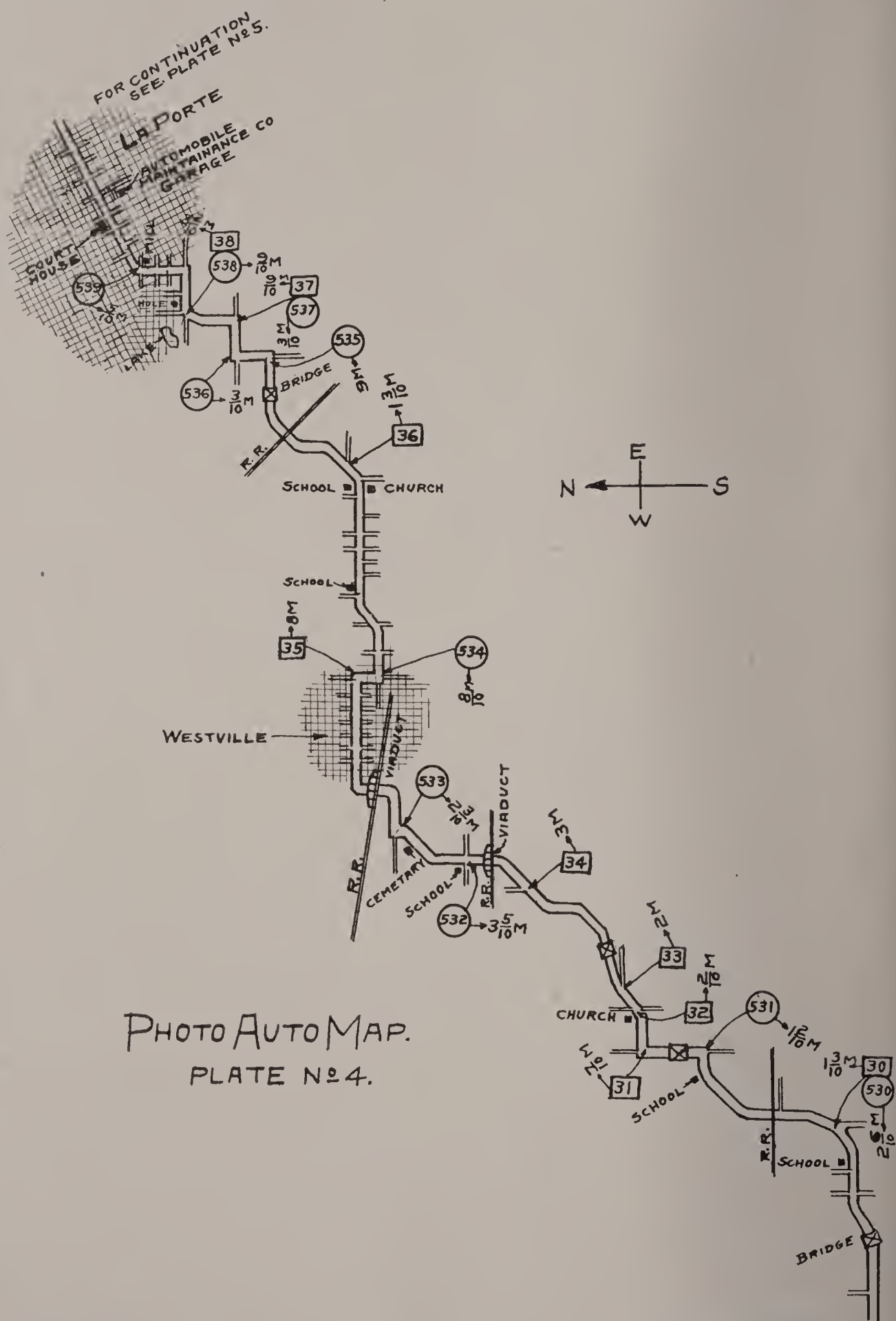


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PLATE No 3.









FOR CONTINUATION  
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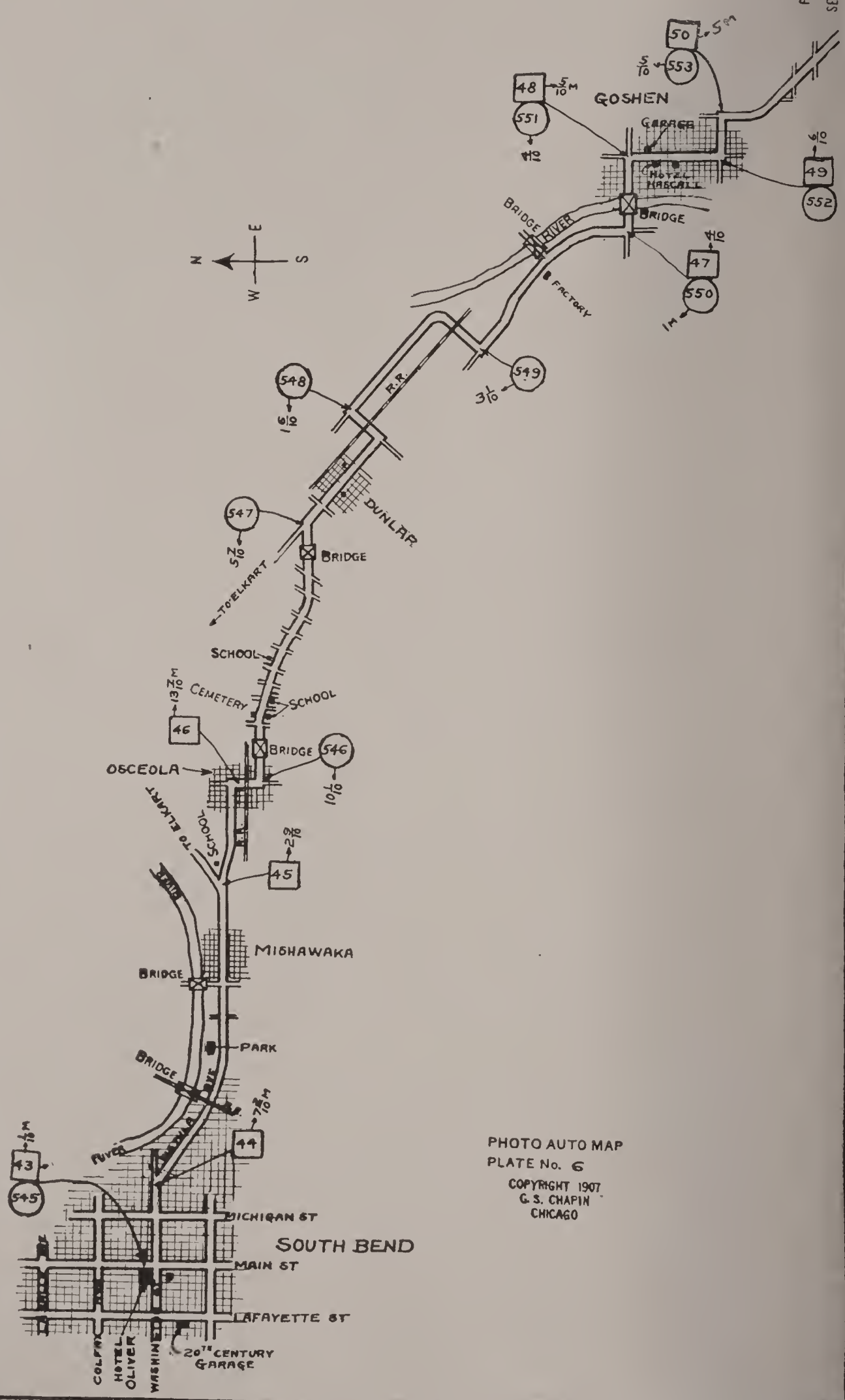
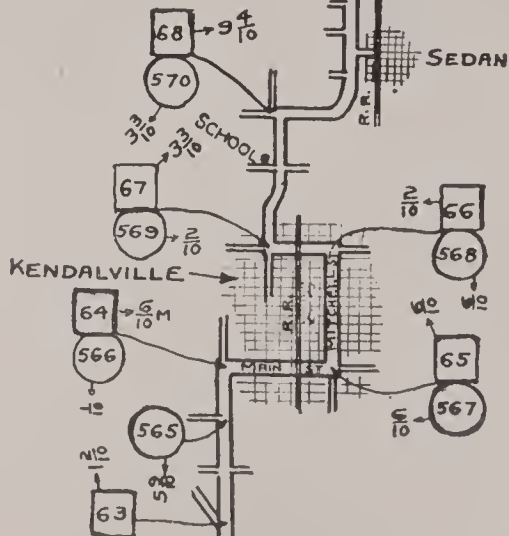


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BRIMFIELD

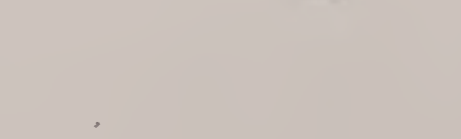
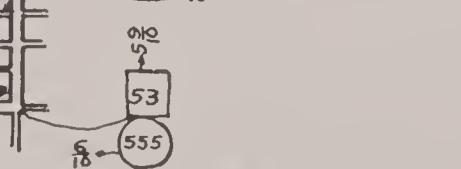
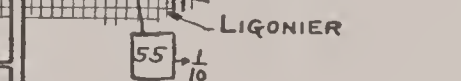
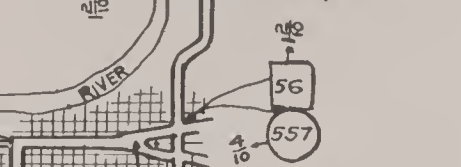
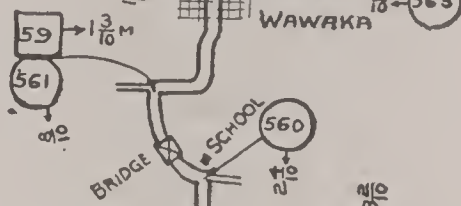
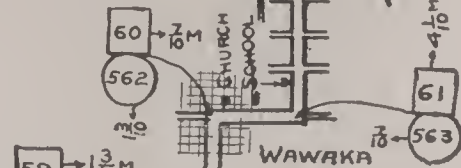
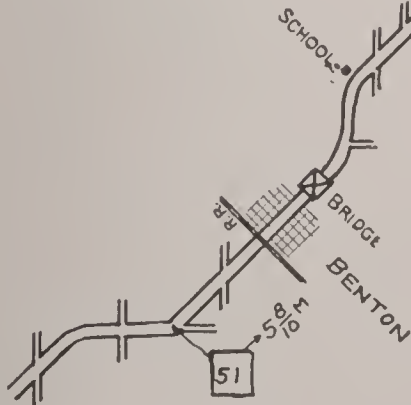


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FOR CONTINUATION  
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SCHOOL  
BRIDGE  
R.R.  
BRIDGE  
BRIDGE  
BRYAN  
CHURCH  
MILL  
SCHOOL  
BRIDGE  
SCHOOL  
SCHOOL  
SCHOOL  
BRIDGE  
EDGERTON  
SCHOOL  
BRIDGE  
CEMETERY  
BRIDGE  
BUTLER  
CHURCH  
WATERLOO  
BRIDGE  
BRIDGE

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OHIO

INDIANA OHIO STATE LINE

INDIANA

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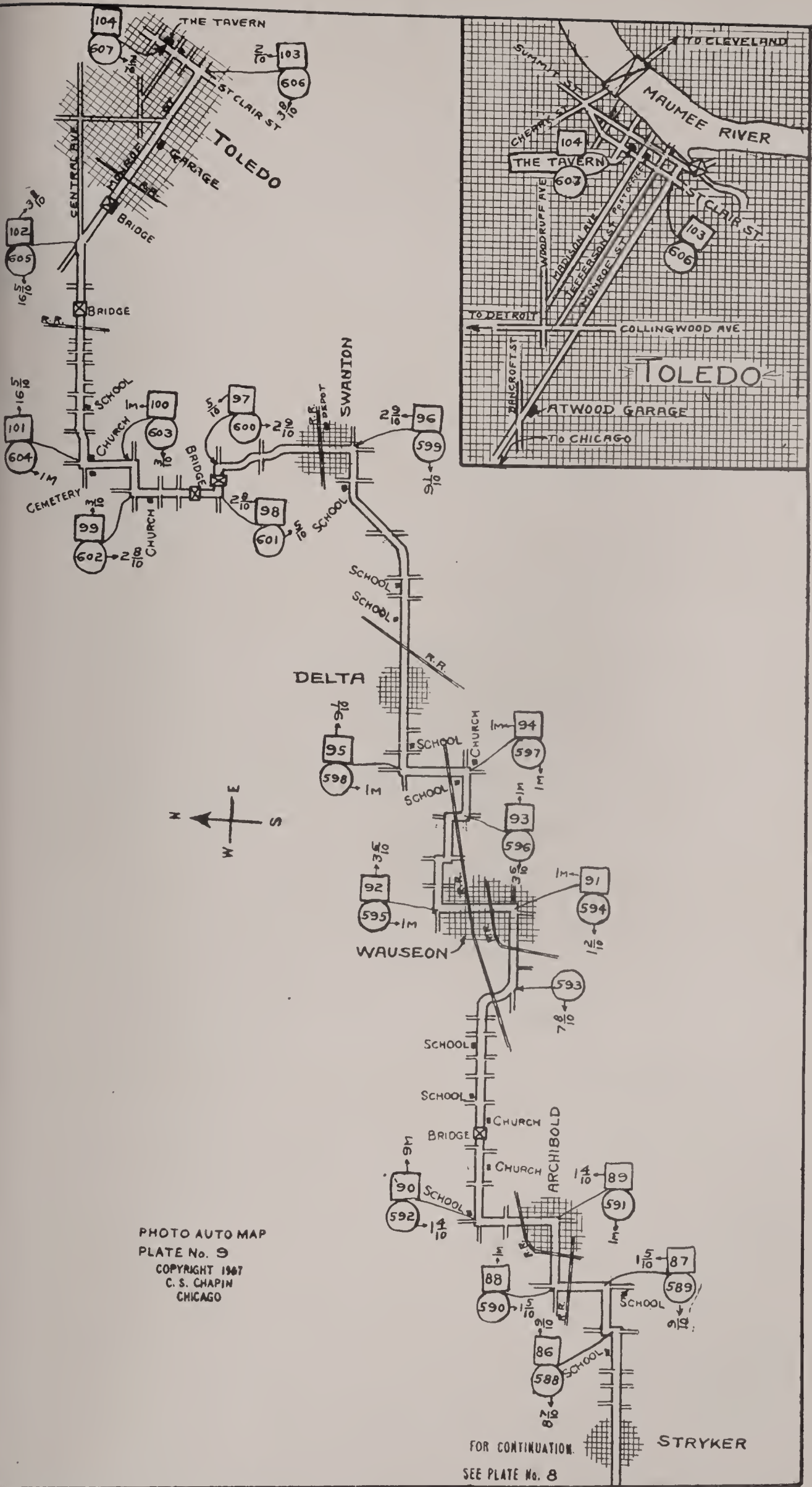


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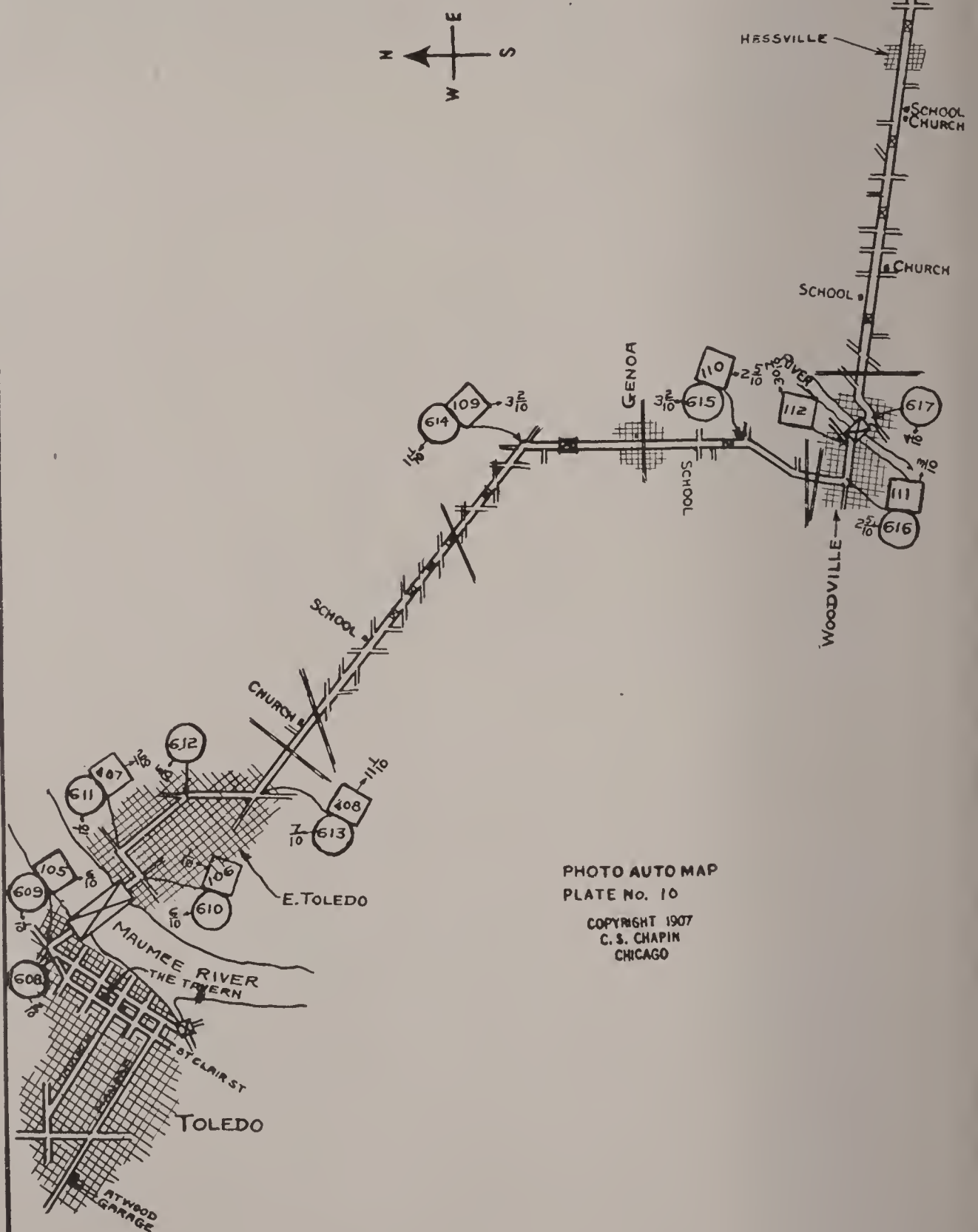


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SEE PLATE NO. 12

WAKEMAN

**SCHOOL**

SCHOOL

## SCHOOL

TOWNSEND

SCHOOL

# NORWALK

# BOYRTHOUSE

MONROEVILLE

PHOTO AUTO MAP

PLATE No. 11

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**CHICAGO**

FOR CONTINUATION

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FOR CONTINUATION  
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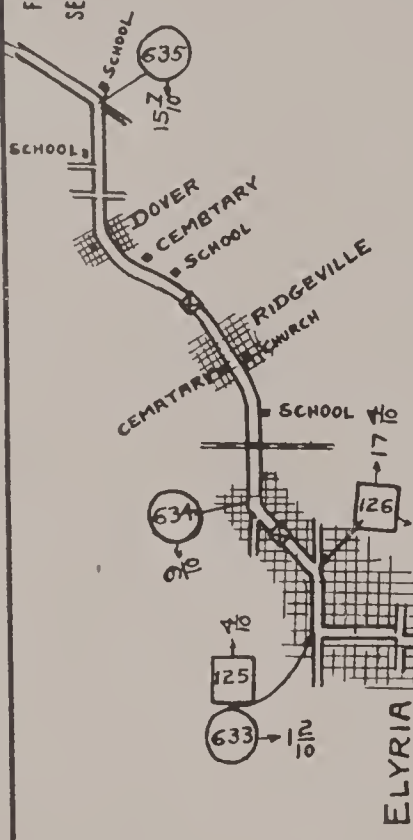
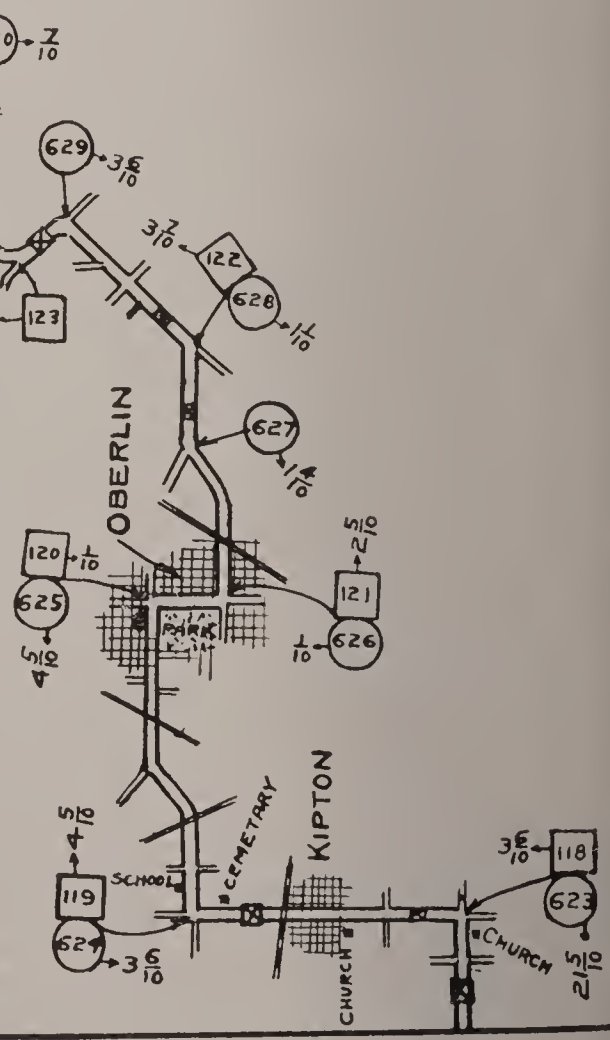
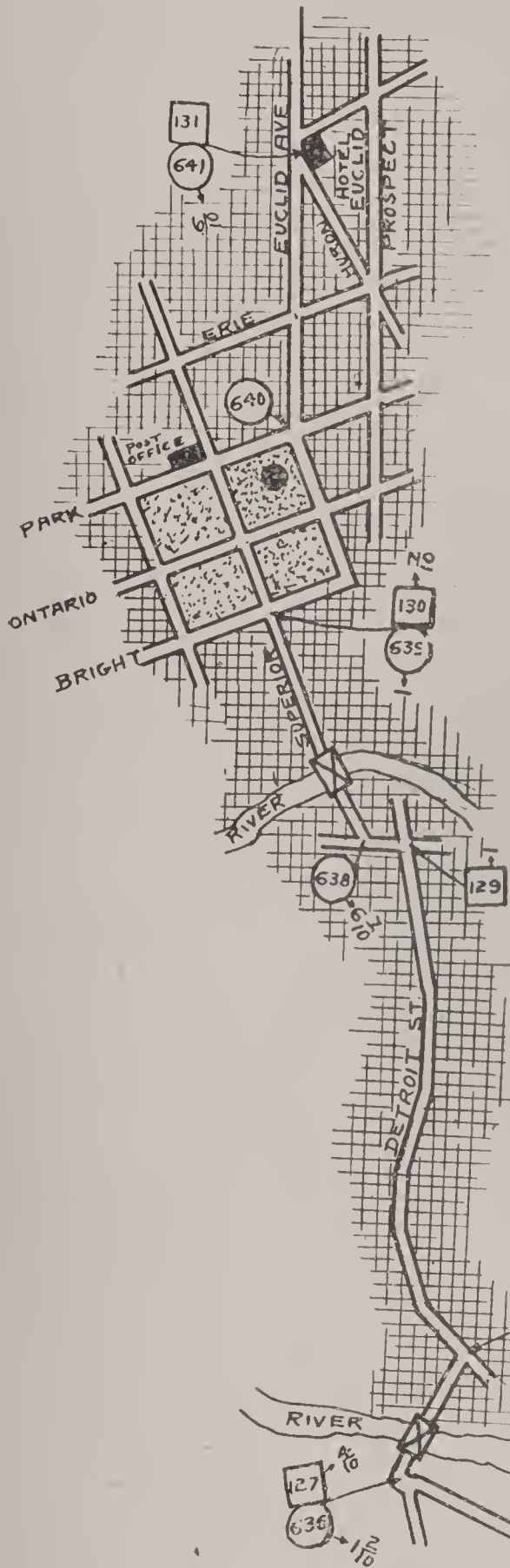


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# CLEVELAND



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FOR CONTINUATION  
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SCHOOL MENTOR SCHOOL SCHOOL R.R. WILLoughBY SCHOOL WICKLIFF EUCLID CEMETARY WADE PARK UNIVERSITY CIRCLE R.R. HOTEL EUCLID PROSPE HURON POST OFFICE SUPERIOR ST TO CHICAGO

LAKE ERIE

CLEVELAND

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FOR CONTINUATION  
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SCHOOL MENTOR SCHOOL SCHOOL R.R.

WILLoughBY

SCHOOL WICKLIFF EUCLID

CEMETARY

WADE PARK

UNIVERSITY CIRCLE

R.R.

HOTEL EUCLID

PROSPERITY

EUCLID AVE

POST OFFICE

SUPERIOR ST

TO CHICAGO

LAKE ERIE

CLEVELAND

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SCHOOL  
MENTOR  
SCHOOL  
SCHOOL  
R.R.  
WILLoughBY  
WICKLIFF  
EUCLID  
CEMETARY  
WADE PARK  
UNIVERSITY CIRCLE  
R.R.  
HOTEL EUCLID  
EUCLID AVE  
PROSPERITY  
SUPERIOR ST  
TO CHICAGO

LAKE ERIE

CLEVELAND

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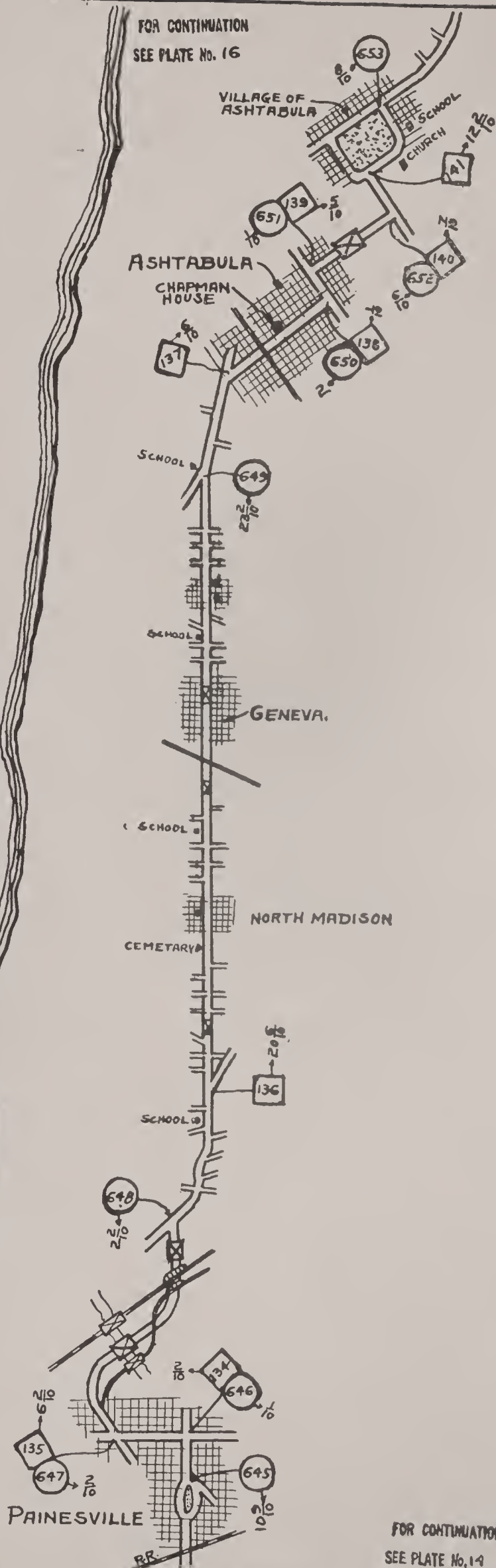
LAKE ERIE

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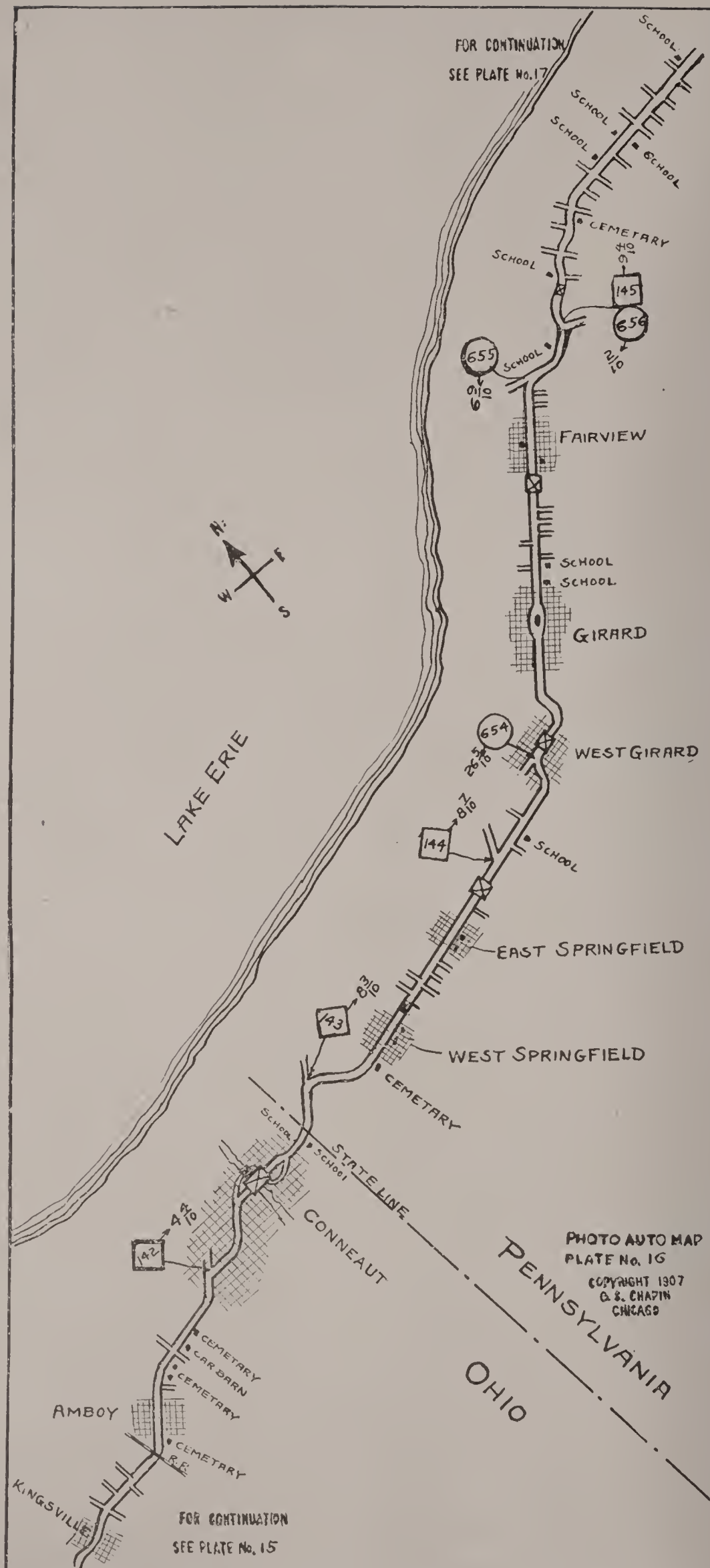


FOR CONTINUATION  
SEE PLATE No. 16



FOR CONTINUATION  
SEE PLATE No. 14





FOR CONTINUATION  
SEE PLATE No. 17



LAKE ERIE

FAIRVIEW

GIRARD

WEST GIRARD

EAST SPRINGFIELD

WEST SPRINGFIELD

143

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655

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656

142

AMBOY

KINGSVILLE

FOR CONTINUATION  
SEE PLATE No. 15

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PENNSYLVANIA

OHIO

STATE LINE  
CONNEAUT

SCHOOL

SCHOOL

CEMETARY

CEMETARY

CEMETARY

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CEMETARY

FOR CONTINUATION  
SEE PLATE No. 18

LAKE ERIE



PORTLAND  
WEST PORTLAND  
CHURCH  
CEMETARY

WESTFIELD

RIPLEY

SCHOOL  
CHURCH  
CEMETARY

NEW YORK

PENNSYLVANIA

NORTH EAST

CEMETARY  
CEMETARY  
HARBOUR CREEK  
SCHOOL CHURCH

CHURCH  
WESLEYVILLE  
SCHOOL

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147  
658  
3/10  
26th ST  
146  
657  
9/10

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SEE PLATE No. 16



FOR CONTINUATION  
SEE PLATE No. 19



LAKE ERIE

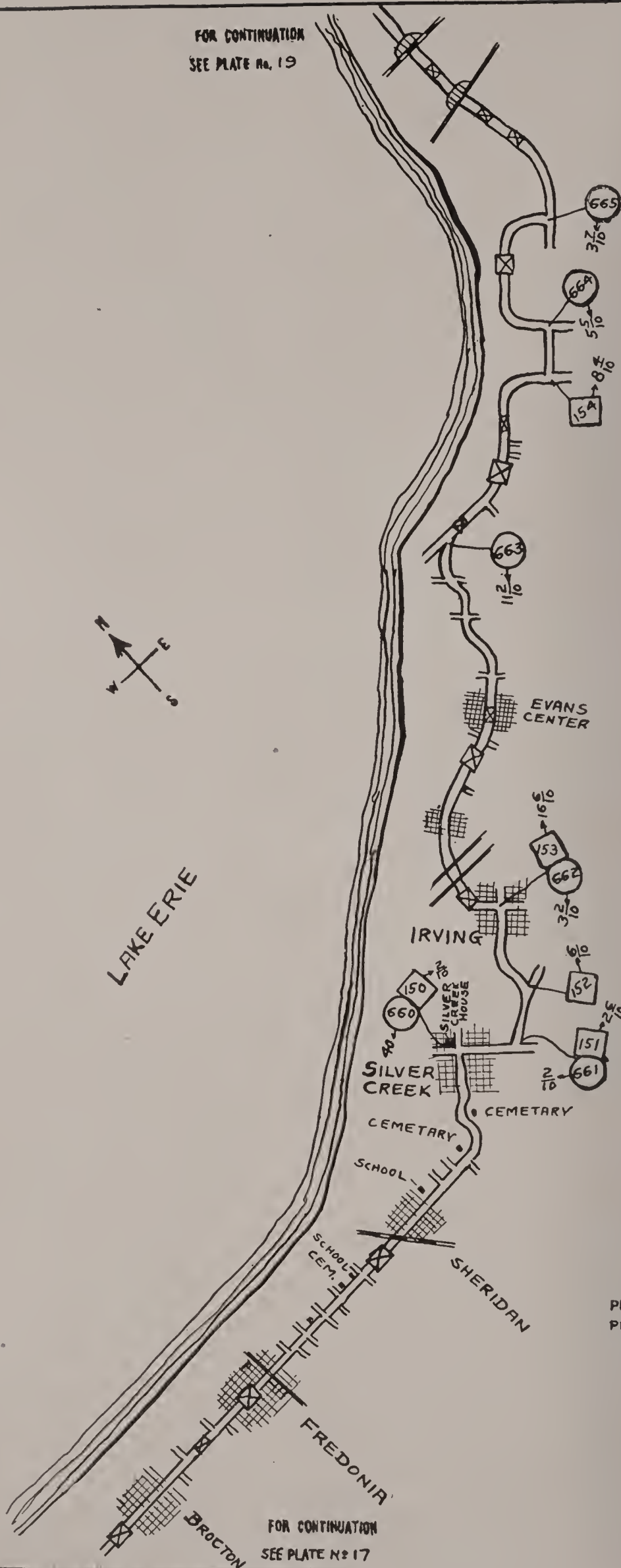
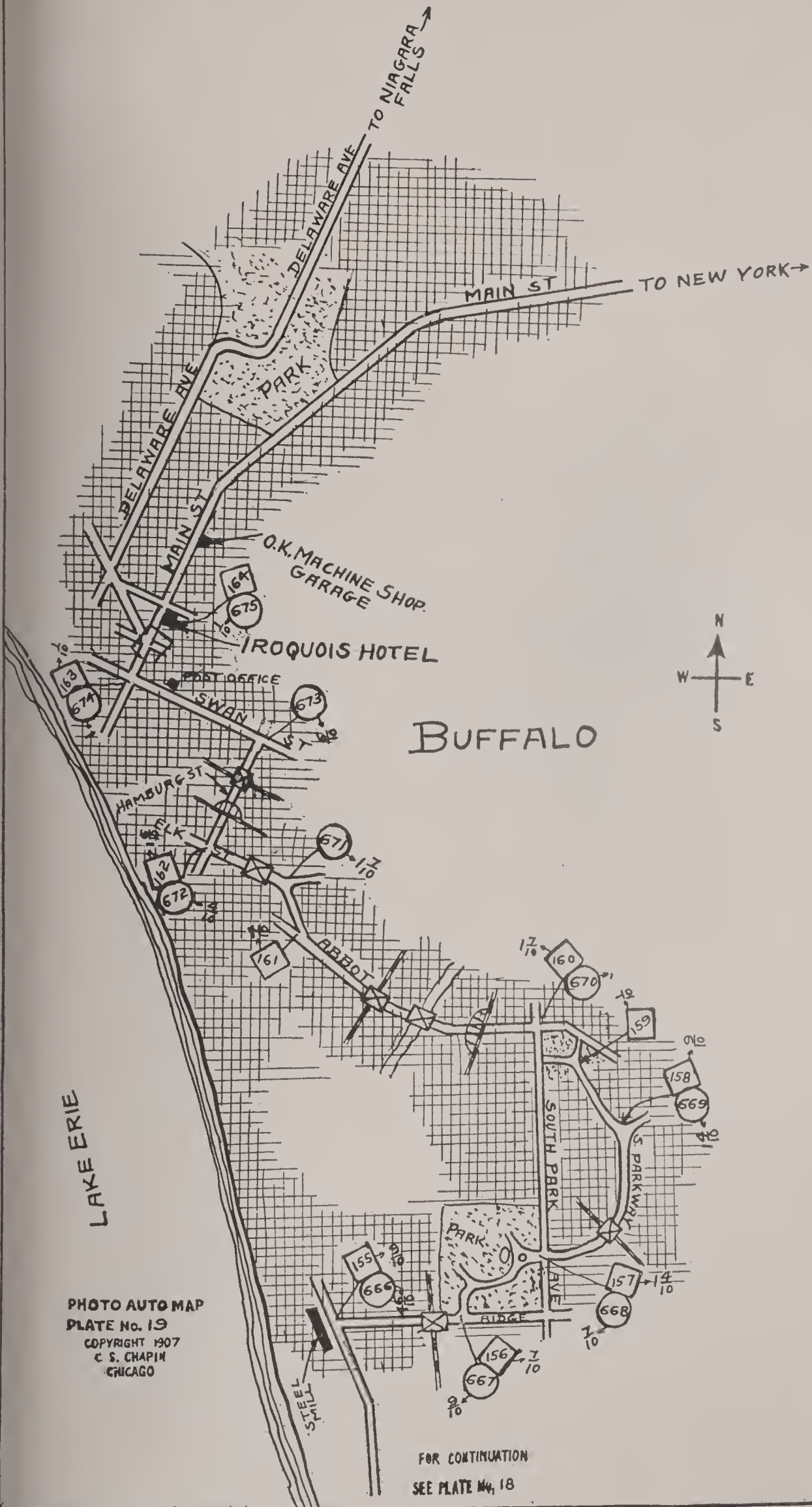


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BUFFALO

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FOR CONTINUATION  
SEE PLATE No. 18



FOR CONTINUATION  
SEE PLATE No. 21

EAST PEMBROKE

PEMBROKE

SCHOOL

CEM.

SCHOOL

CLARENCE

R.R.

R.R.

CEM.

WILLIAMSVILLE

R.R.

SNYDER

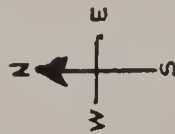
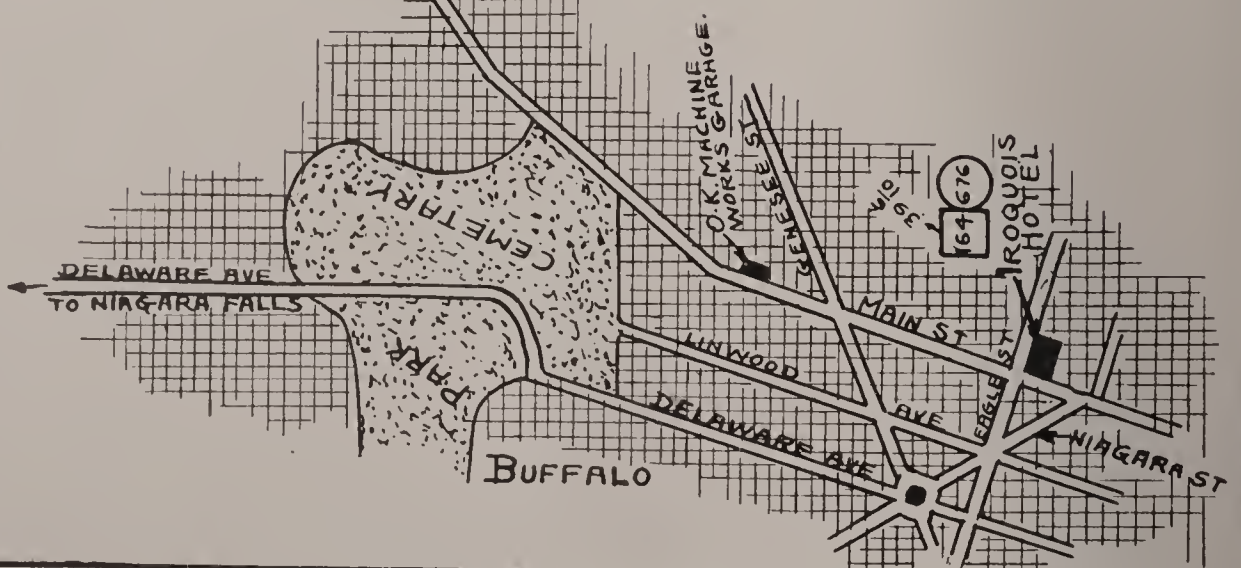


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FOR CONTINUATION  
SEE PLATE No. 19

FOR CONTINUATION  
SEE PLATE No. 22

NORTH CHILI

CHURCHVILLE

BERGEN

BYRON

PHOTO AUTO MAP  
PLATE No 21

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CHICAGO



BATAVIA

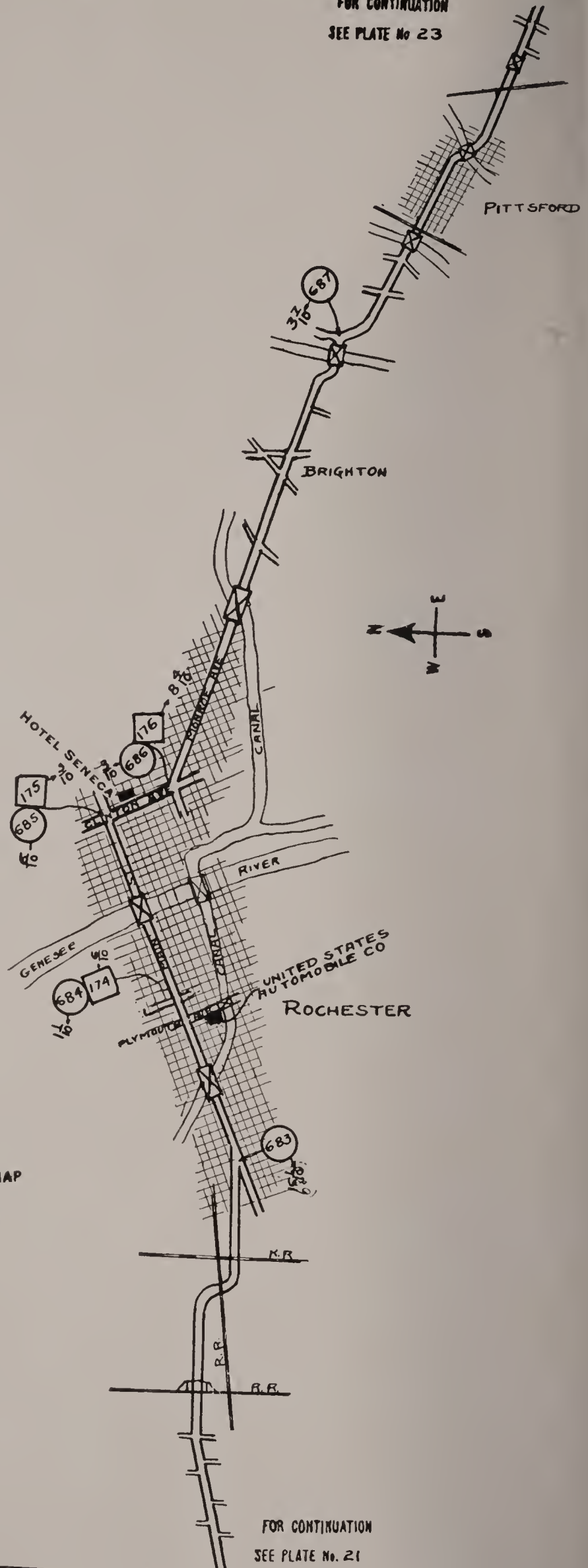
GARAGE

HOTEL  
RICHMOND

FOR CONTINUATION  
SEE PLATE No 20



FOR CONTINUATION  
SEE PLATE No 23



FOR CONTINUATION

SEE PLATE No. 24

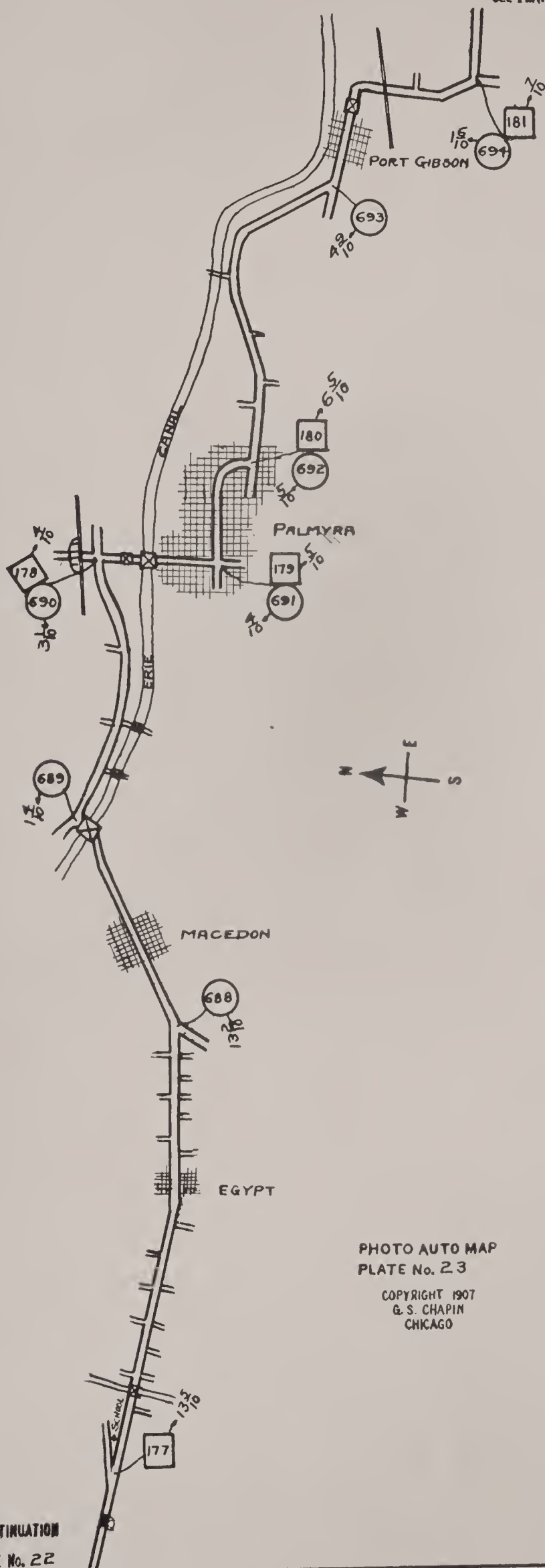


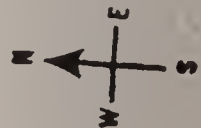
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PLATE No. 23

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FOR CONTINUATION  
SEE PLATE No. 22



FOR CONTINUATION  
SEE PLATE No. 25



FOR CONTINUATION  
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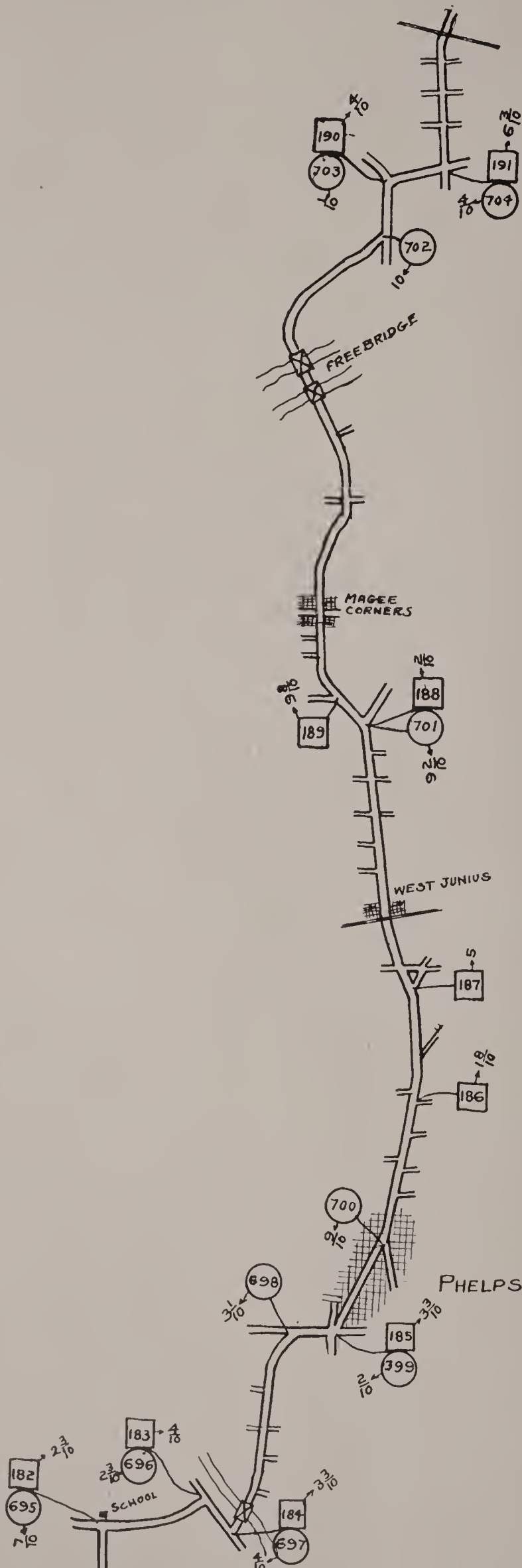


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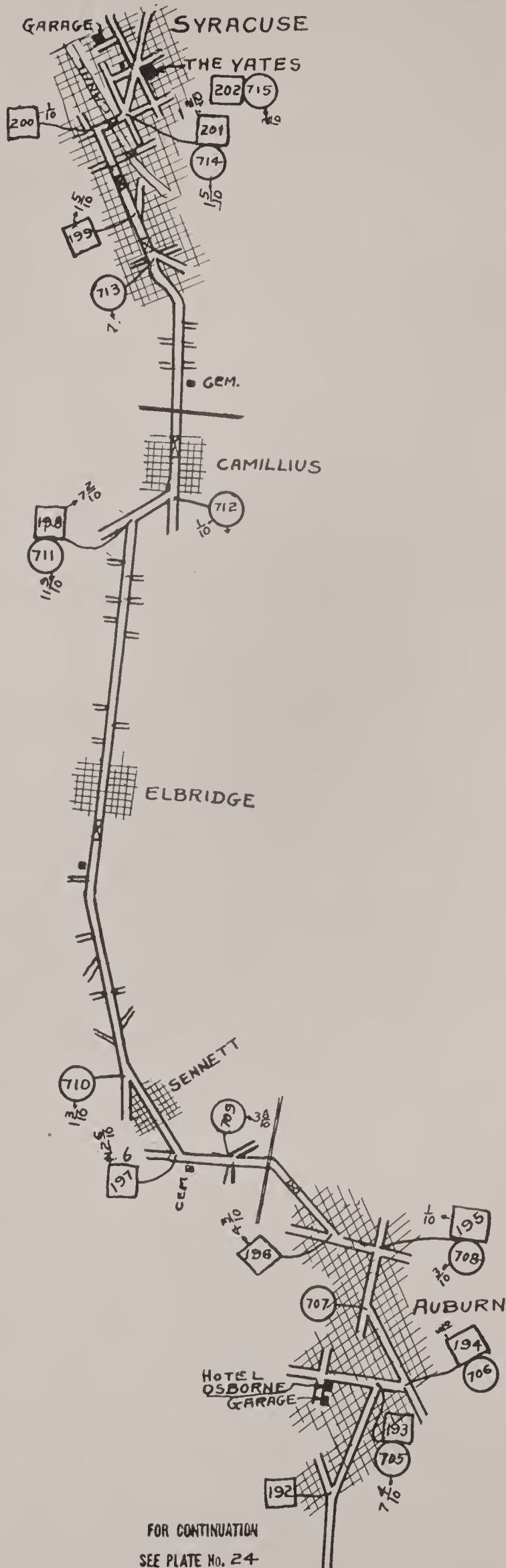


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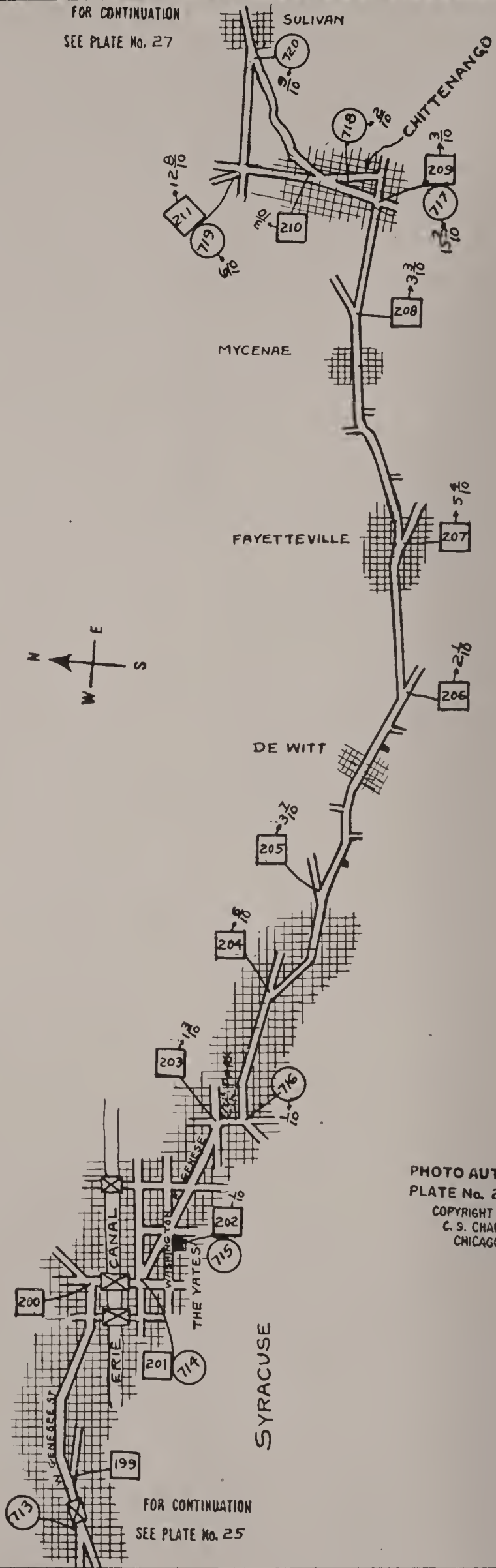


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FOR CONTINUATION  
SEE PLATE No. 28

KIRKLAND

VERNON

SHERILL

ONEIDA  
CASTLE

ONEIDA

CANASTOTA

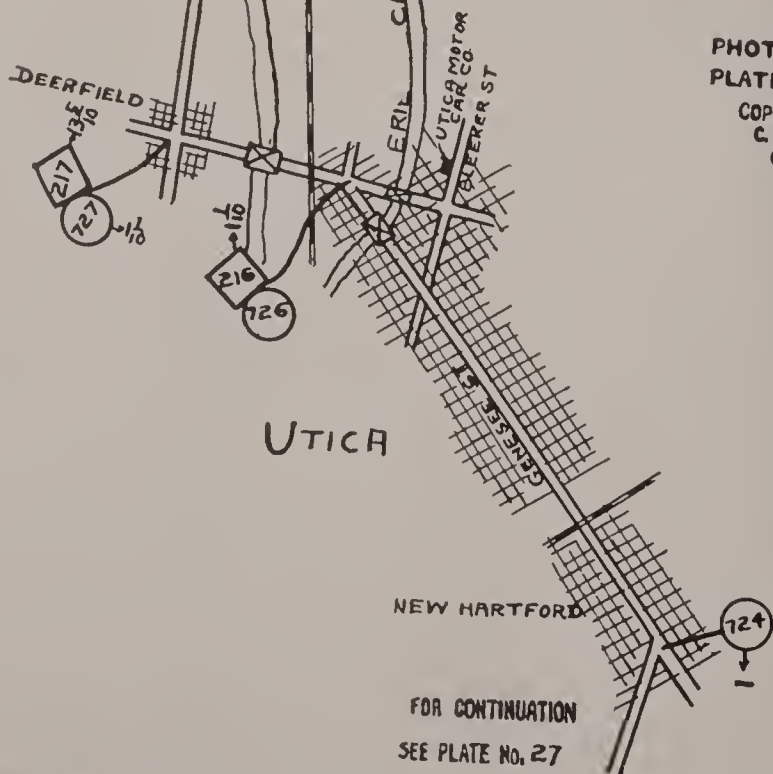
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LITTLE FALLS  
C.A. ROSS GARAGE  
FOR CONTINUATION  
SEE PLATE NO. 29



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SEE PLATE No. 30

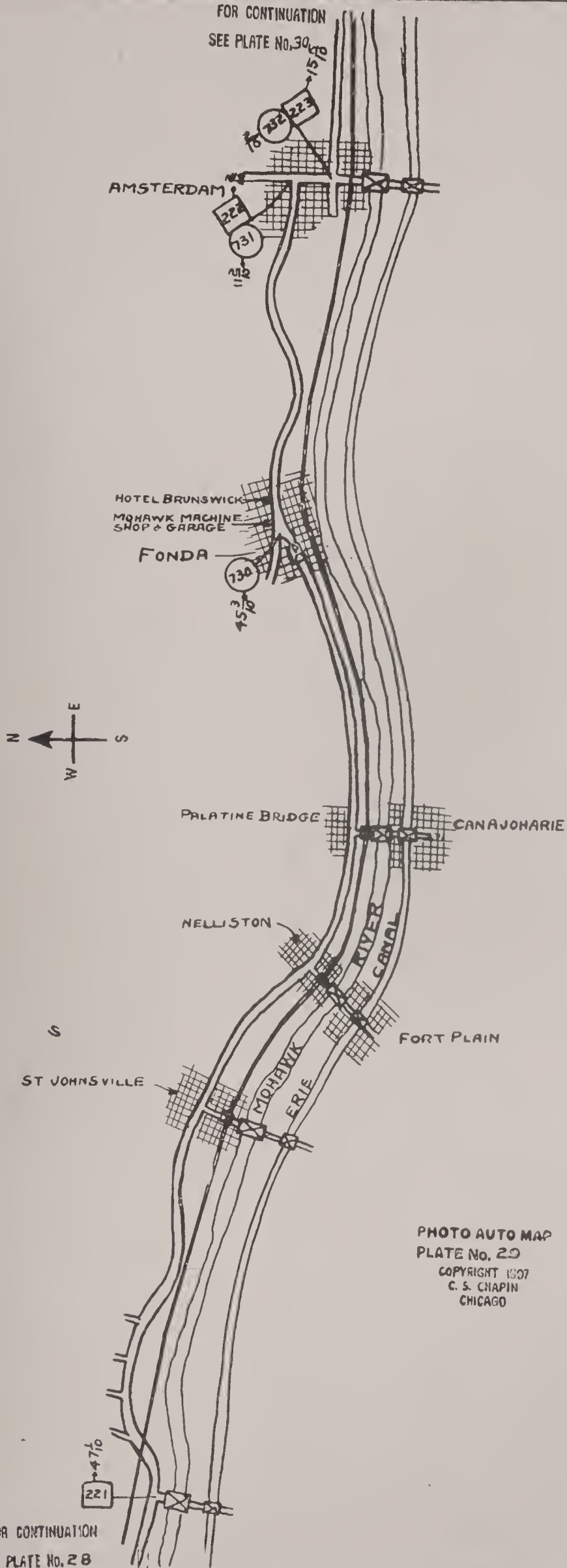


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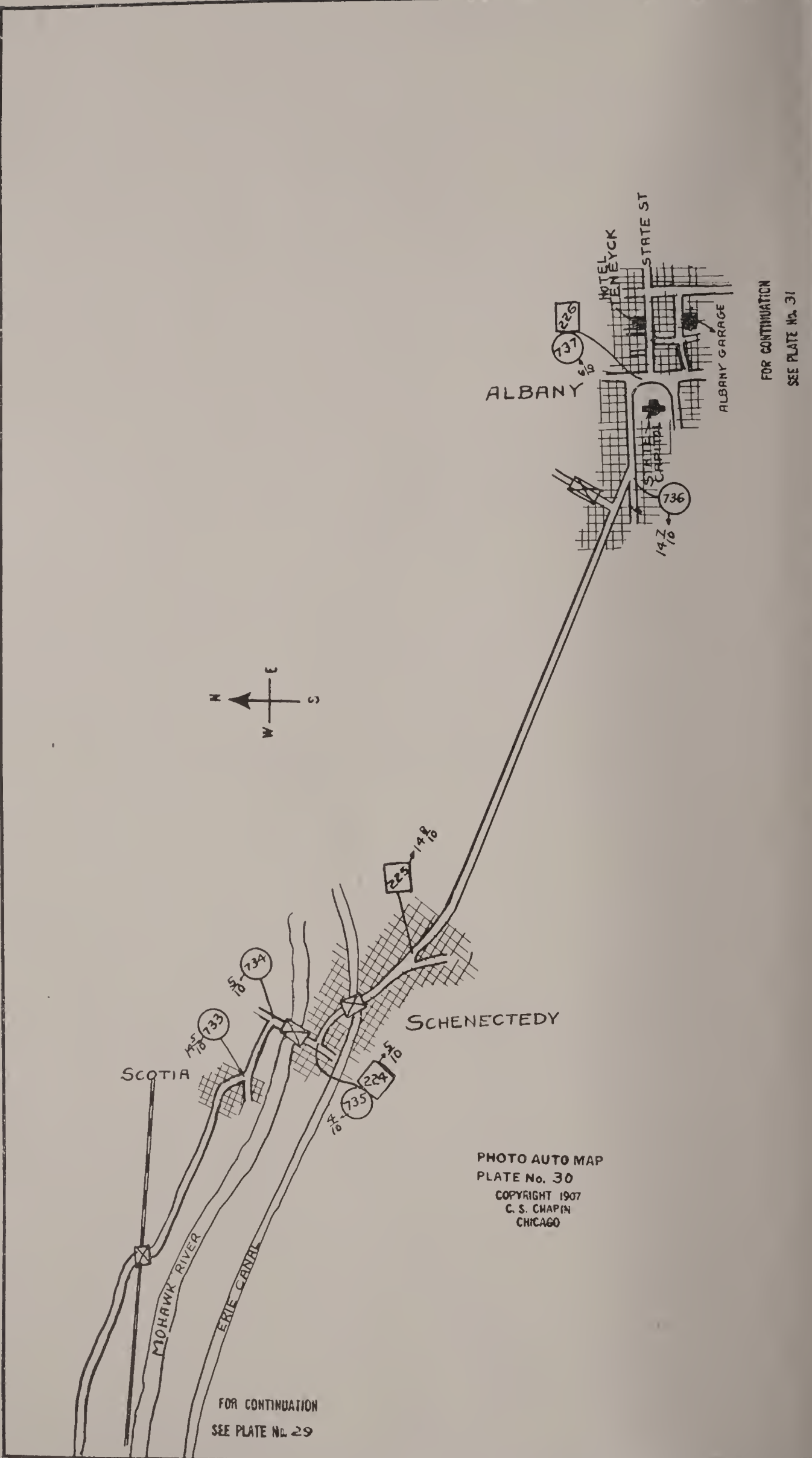


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FOR CONTINUATION  
SEE PLATE No. 29

FOR CONTINUATION  
SEE PLATE No. 31

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SEE PLATE No. 30

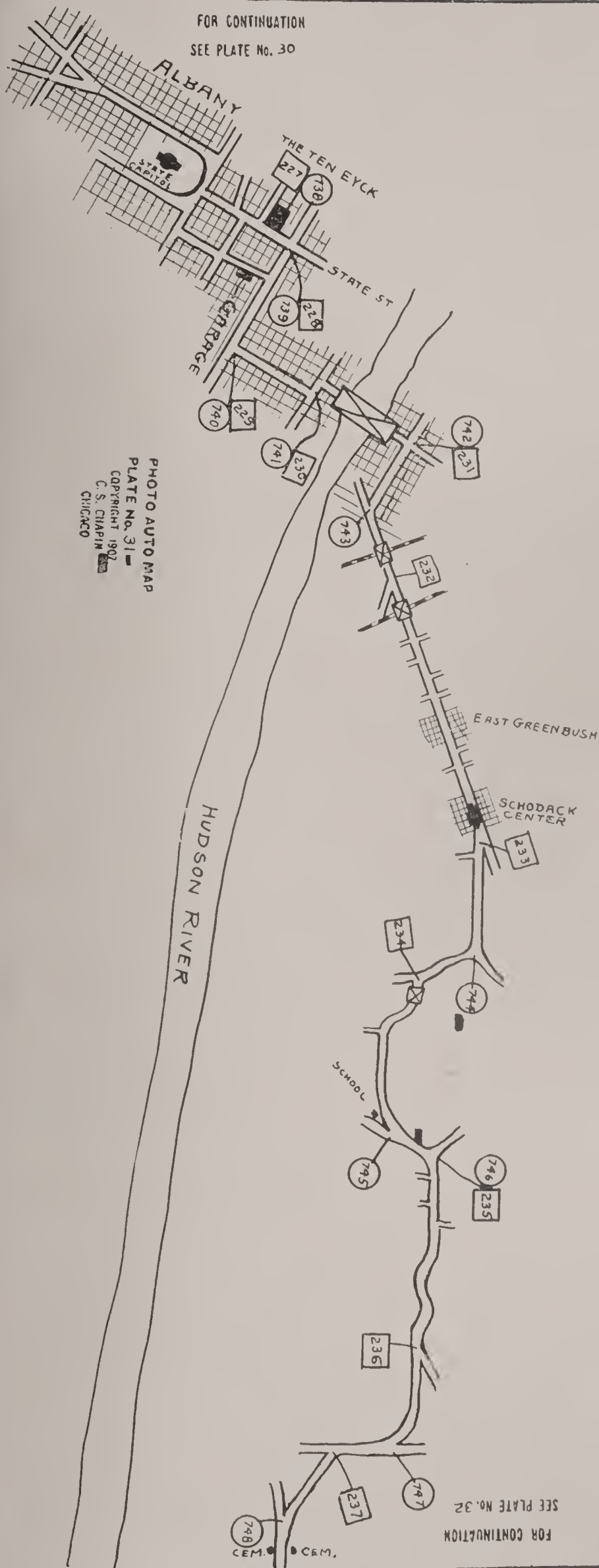


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FOR CONTINUATION  
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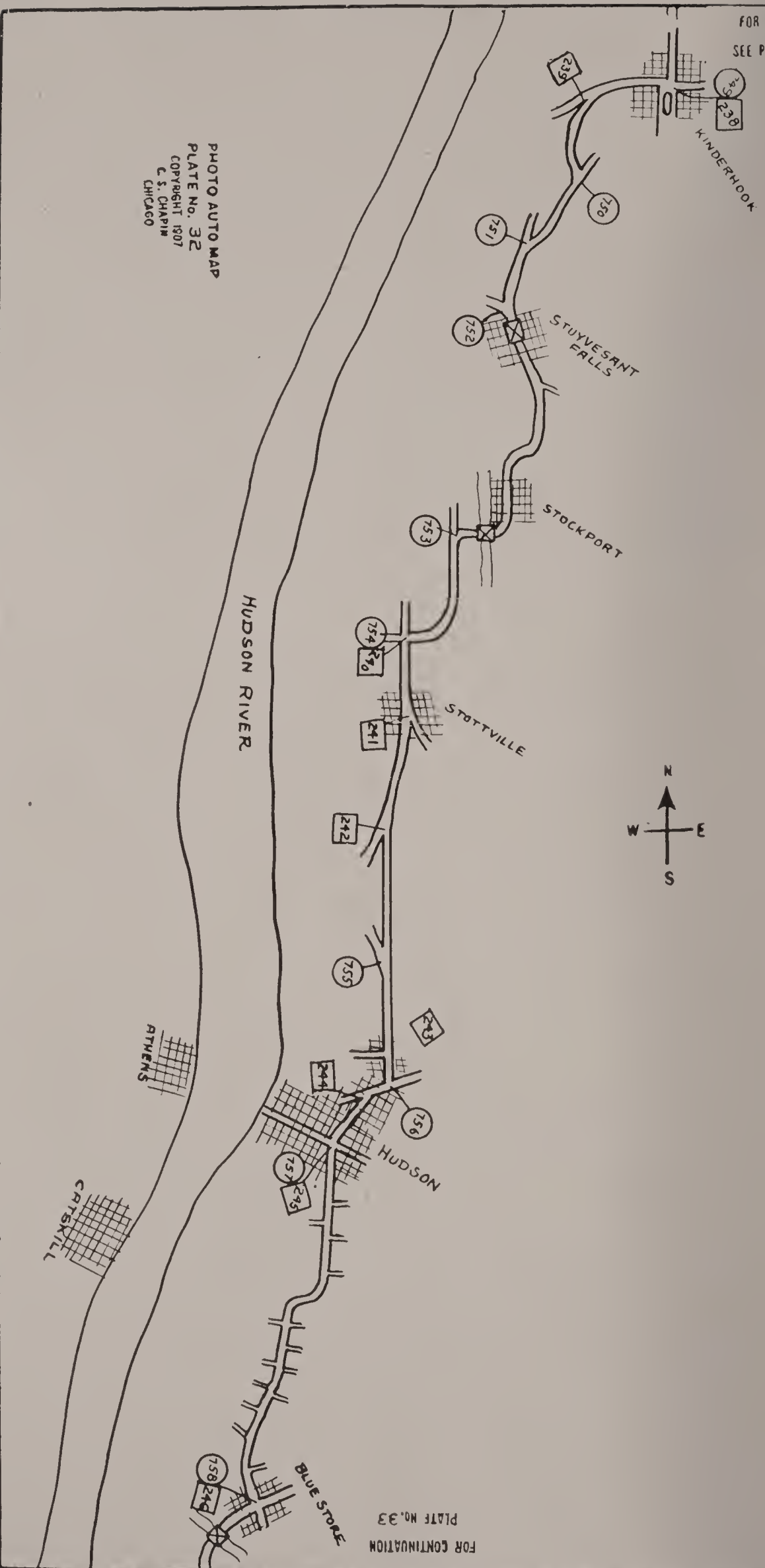


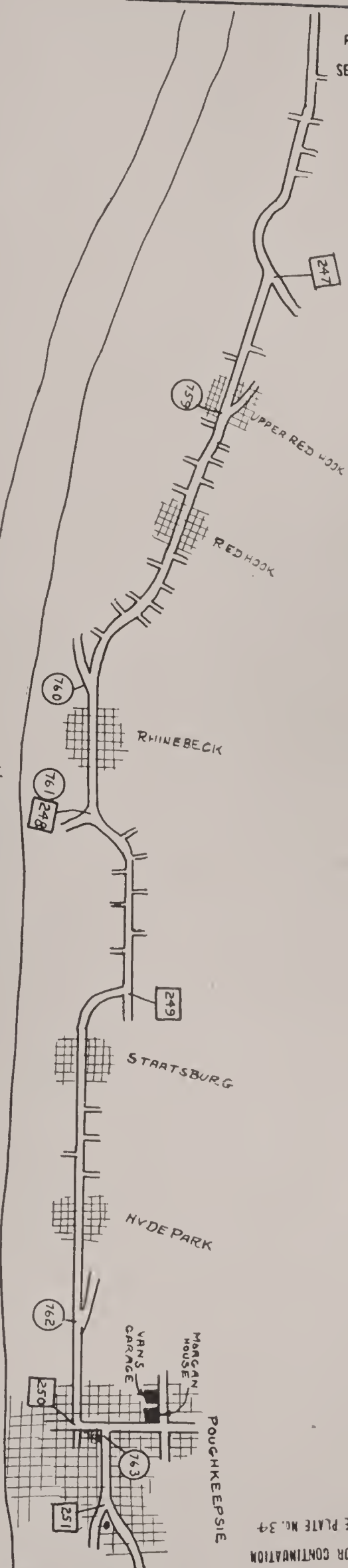
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FOR CONTINUATION  
PLATE No. 33

FOR CONTINUATION  
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CHICAGO

KINGSTON  
HUDSON RIVER



FOR CONTINUATION  
SEE PLATE No. 34



FOR CONTINUATION  
SEE PLATE No. 33

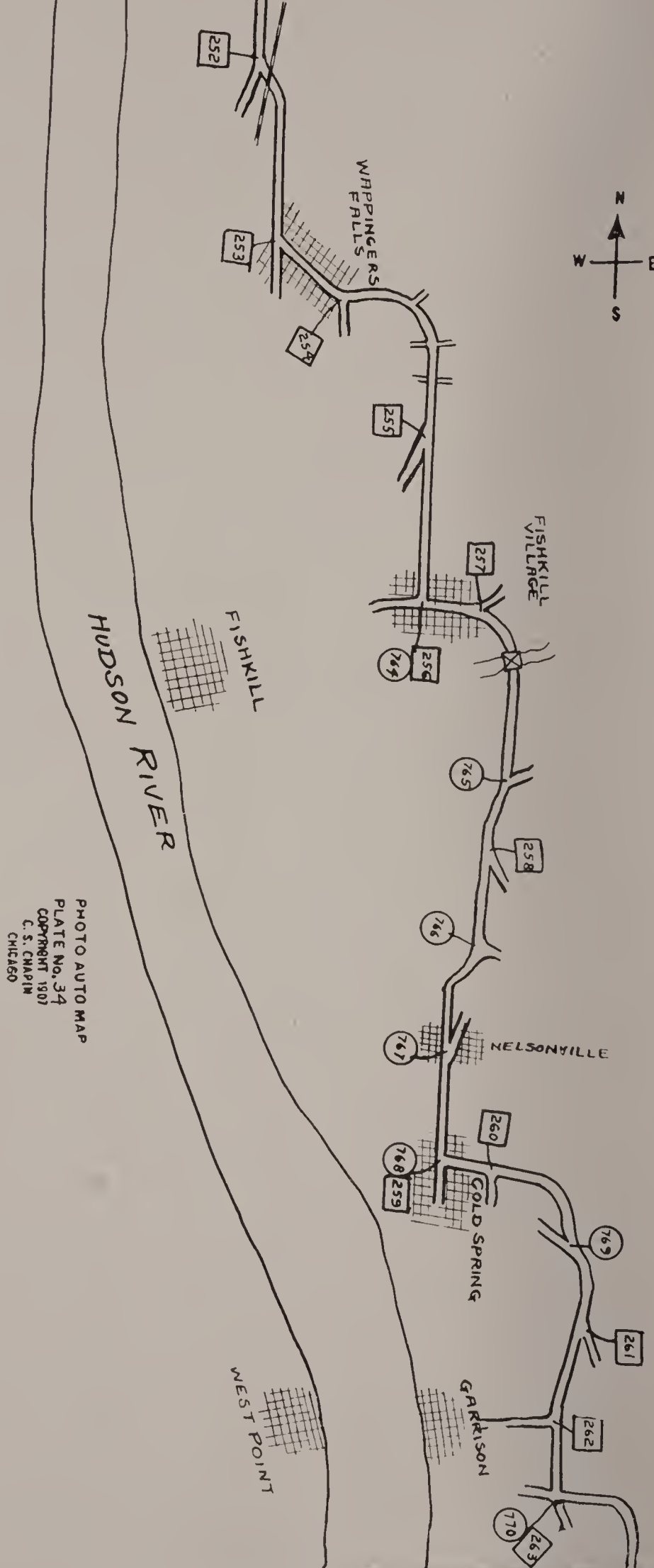


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FOR CONTINUATION  
SEE PLATE No. 35

FOR CONTINUATION  
SEE PLATE NO. 34

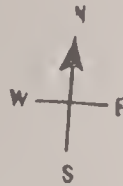


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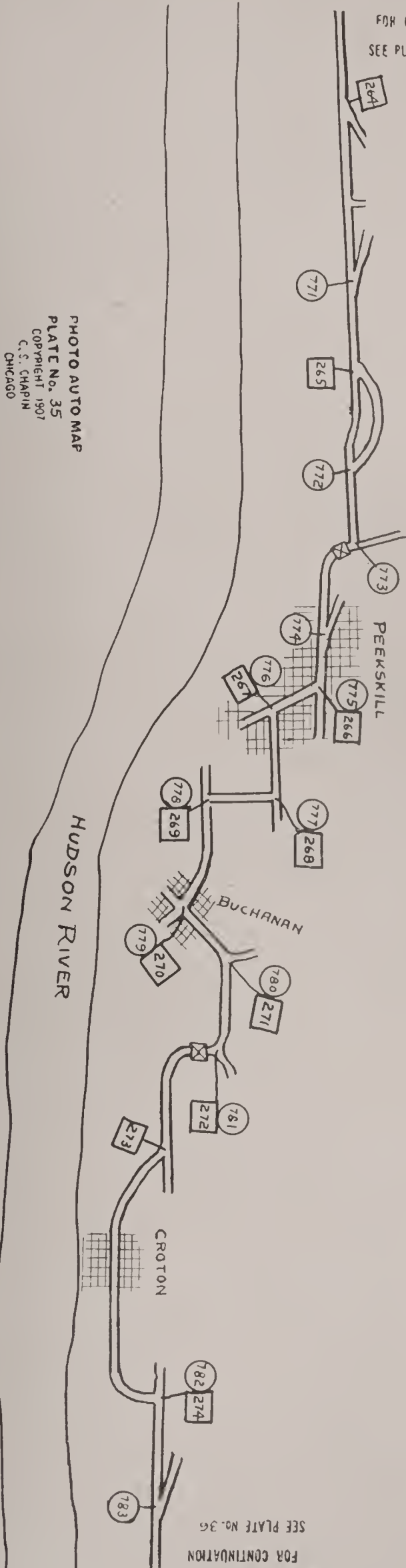
HUDSON RIVER

PEEKSKILL

BUCHANAN

CROTON

FOR CONTINUATION  
SEE PLATE NO. 36







FOR CONTINUATION  
SEE PLATE No. 35

OSSINING

784  
275

TARRYTOWN

785

IRVINGTON

DOBBS FERRY

786  
276

787

277

HASTINGS

YONKERS

FOR CONTINUATION  
SEE PLATE No. 37

HUDSON RIVER

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CHICAGO

FOR CONTINUATION  
SEE PLATE No. 36

HUDSON RIVER

NEW YORK CITY.



RIVERDALE AVE

788 278

789 219

790 280

BROADWAY

RIVERSIDE DRIVE

158<sup>th</sup> ST

135<sup>th</sup> ST

BROADWAY

RIVERSIDE DRIVE

792 282

72<sup>nd</sup> ST

791 281

CENTRAL PARK

59<sup>th</sup> ST

793 283

7<sup>th</sup> AVE

42<sup>nd</sup> ST

794 284

5<sup>th</sup> AVE

HOTEL WOLCOTT

31<sup>st</sup> ST

795 285

PHOTO AUTO MAP  
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C. S. CHAPIN  
CHICAGO





NOTHING ADDS MORE TO THE JOY  
OF TOURING THAN A SET OF

# Reliance

REG. U.S. PAT. OFFICE

## SPARK PLUGS

**"THEY SPARK IN WATER"**

**MORE  
THAN  
ORDINARY**



¶ To be free from the most frequent of road trouble, dirty, sooty, short-circuited plugs, is a pleasure which is yours if you will use Reliance Spark Plugs.

¶ Then again you will get more mileage out of your dry cells or batteries, for Reliance Spark Plugs are so constructed that the minimum amount of current is consumed and yet you will get the maximum heat in the spark.

¶ Reliance Plugs are built according to correct electrical principles, no moving parts or valves being employed, and they require absolutely no cleaning or attention.

Our literature will tell you the whys and wherefores and impress upon you why Reliance Spark Plugs are *more than ordinary*.

Write today.

**JEFFERY = DEWITT COMPANY**  
SPARK PLUG MANUFACTURERS

206 High Street

Newark, New Jersey



# YOUR OLD CASING

is good enough for **5000 miles** more if equipped with a

## Triple Tread

3-ply steel studded, specially prepared leather and made a part of the old tire.

**Puncture proof** and **non-skid**.

Costs very little more than the ordinary rubber retread.

**Remember we guarantee Triple Tread 5000 miles.**

Send the Old Casing at once.

**Triple Tread Auto Tire Mfg. Co.**

Phone Cal. 2456

**1545 Michigan Ave., Chicago**

This is a worn out casing as it comes to us to be **MADE NEW**

When your old casing is **MADE NEW** it looks like this—  
**Guaranteed 5000 miles.**

## Cummer's Perfect Elastic Auto Top Gloss



**Automobile, Carriage Top and Upholstery Dressing**

For all kinds of Leather, Pantasote or Rubber.

**For Tops, Seats, Guards, Straps and Upholstery**

Unexcelled for all kinds of Leather Upholstered Furniture such as Chairs, Sofas, etc.

Does not crack or come off. Perfectly waterproof. Dries in thirty minutes. Any one can do the work.

**THE JAMES W. CUMMER COMPANY**

Write for Sample

**CLEVELAND, OHIO**

**At Your Dealers**  
\$3.00 per gallon  
\$1.75 per half gal  
90c per quart  
Or With Cash Order



**AKRON REPAIR KIT—\$1.00 Complete**

**THE EMPIRE MANUFACTURING COMPANY, AKRON, OHIO**

## NO MORE FLAT TIRES

**Just Carry an AKRON REPAIR KIT**

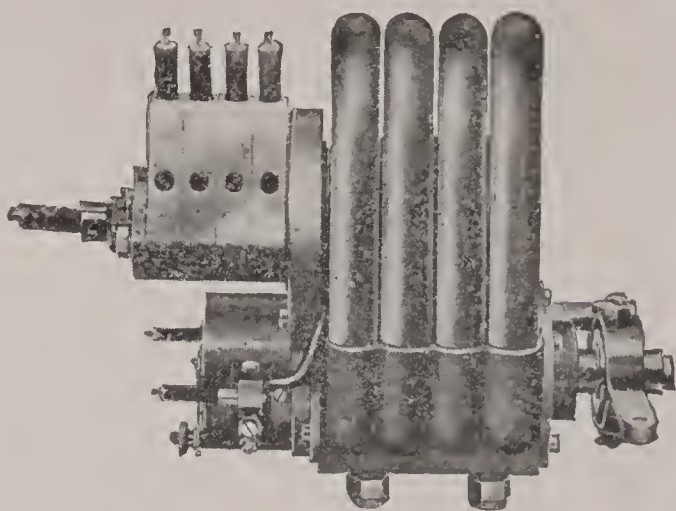
An acid cure process that vulcanizes the cement to the rubber, making it one solid piece, and by which any repair to your inner tube or casing is permanently made at any time and any place. **YOU ARE ON YOUR WAY IN A MOMENT**—and there is no hard work about it either, doesn't even soil your hands. Heat, moisture or hard usage will absolutely not affect a repair properly made with this cement and solution, and it's not injurious to the finest quality rubber.

**A SEASON'S SUPPLY FOR THE MOTORIST** all put up in a handy little box, with all needed tools, rubber patches, etc. For sale by dealers and jobbers. If your dealer does not handle it, write direct.

Write us about the "Akron" Tire Boot and "Akron" Inside Repair Patch. We also manufacture the "Hold Tight" Aluminum Vise for inner tube patching. Price, delivered, \$1.25.

# A HEINZE MAGNETO

Will make a new motor  
out of your old one



## HEINZE ELECTRIC CO.

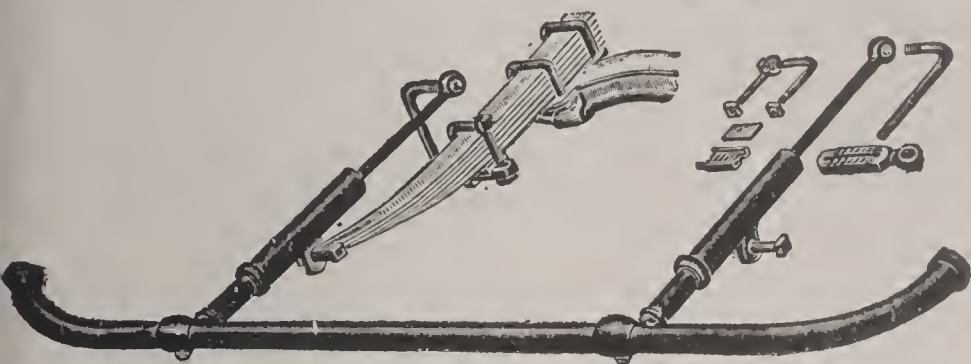
LOWELL, MASS.

Western Distributors

### HIBBARD ENGINEERING CO.

DETROIT, MICH.

# McGREGOR SPRING BUMPER



An Economical  
Insurance  
against loss  
and  
inconvenience

Attractive in Design  
Easily Attached

No Drilling of Frame  
Fits All Cars

Has the points of merit of others as  
well as valuable features of its own

## LOWEST IN PRICE YET SELLS ON ITS MERITS

SOLD ONLY THROUGH DEALERS

Write for Special Introductory Offer

## McGREGOR BUMPER CO.

136 East 20th Street

Chicago





## ROCHESTER SAFETY LOCK FOR AUTOMOBILES

*"A Lock that Locks"*

It is not necessary to drill your steering bar full of holes. Only one hole to drill and the lock is ready to place in position. Interchangeable combination. THIEF PROOF. Absolutely keyless. Ask your dealer or write direct for descriptive matter.



MOTOR CAR SUPPLY CO.

1451-53-55

Michigan Avenue

CHICAGO AGENTS

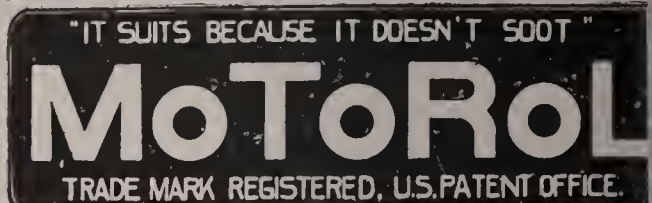
Our four-tumbler adjustable hasp Key Auto Lock will lock any automobile, motor cycle, bicycle, steamship gear, or can be used as a padlock. Also THIEF PROOF. Ask your dealer for prices or write us direct for descriptive matter.

**Rochester Safety Lock Co.**  
ROCHESTER, IND.

IS IT REASONABLE TO SUPPOSE that over sixty leading manufacturers of automobiles would use and recommend



for transmissions and bearings if these lubricants did not show best results in increasing efficiency, preventing wear, economizing gasoline and promoting cleanliness. Don't sacrifice your car for a doubt — try non-fluid oils



for cylinder lubrication accomplishes what is claimed for other oils by lubricating effectively and economically without carbonizing. It increases engine efficiency — permits greater speed and power on less gasoline.

Sole Producers: NEW YORK & NEW JERSEY LUBRICANT CO., 165 Broadway, N. Y. City



## FIVE —GOOD— REASONS WHY

**"THAT STRANG" SPARK PLUG**  
SHOULD BE USED BY YOU

- 1.—"THAT" BROAD GUARANTEE The No-Trubble Plug  
We hereby agree to replace any plug that fails to work or is defective in any manner whatsoever within one year from date of purchase.
- 2.—It is designed by LEWIS STRANG—THE WINNER—  
Who KNOWS HOW A SPARK PLUG should be made
- 3.—IT'S MICA—But so made that it can not short circuit.
- 4.—THE BODY IS BRASS—will never rust and last, but not least.
- 5.—THE EASIEST PLUG TO CLEAN.

If your dealer does not yet handle "THAT STRANG" PLUG WRITE US AND WE WILL See that you are supplied

**LEWIS STRANG SUPPLY CO.**  
2230 BROADWAY = = NEW YORK CITY

Keep Your Auto Radiator and  
Water Jacket Clean by Using



Automobile Radiator  
and  
Water Jacket Compound  
Canister, \$1.00

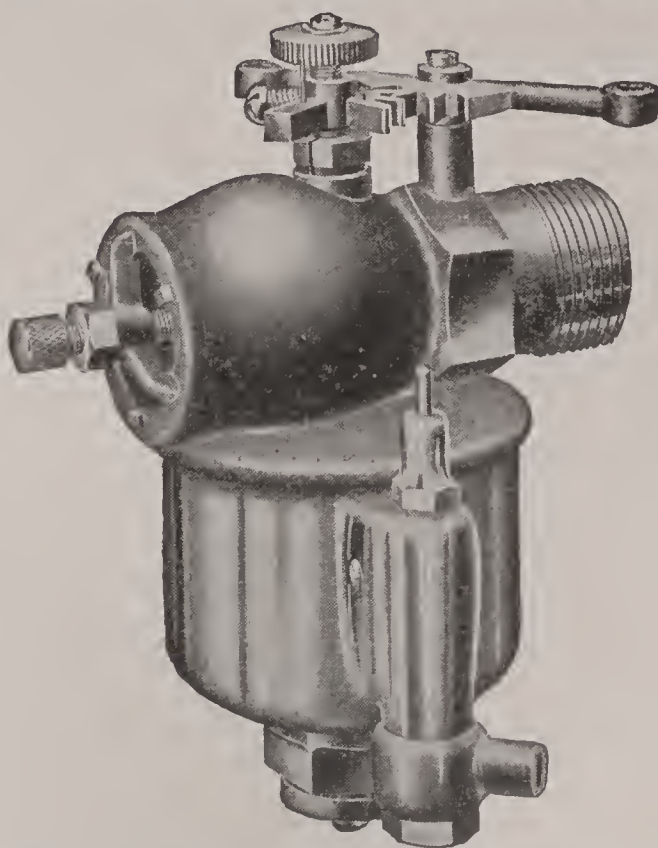
You can't afford to ruin your expensive  
radiator and Water Jacket through corrosion,  
when it can be prevented for so small a cost.

PREVENTS AND REMOVES  
DIRT, RUST and GREASE from ENGINE  
WATER JACKETS and RADIATORS, CREATES  
PERFECT CIRCULATION of the WATER  
and a COOL RUNNING ENGINE.

Sold by all Auto Supply Stores and  
Garages, or direct from

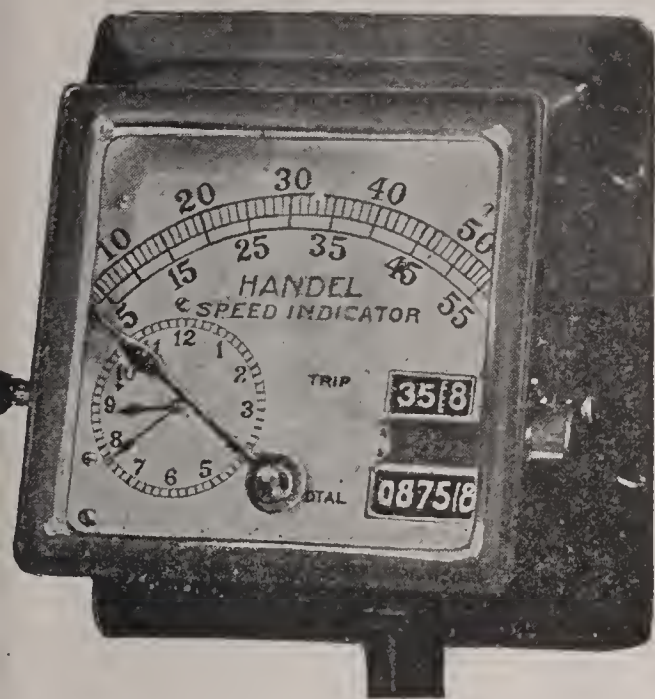
**The Nonkoroda Co.,**  
25 and 27 New Chambers St., New York

## MODEL "C" HEITGER CARBURETER



Made in all regular sizes. Special types for Ford and Buick  
runabouts. All guaranteed to give satisfaction or money back.

**HEITGER CARBURETER CO.**  
225 W. South Street, INDIANAPOLIS, IND.



## Handel Speed Indicator

It is absolutely accurate

It is simply and compactly  
made

It does not get out of order

It stands the hardest usage

It is neat in appearance.

It is easily attached

It is guaranteed for five years

The hands do not waive and  
wobble.

**LOUIS HANDEL**  
MANUFACTURER AND SALES AGENT

176-180 GRAND STREET

**NEW YORK CITY**

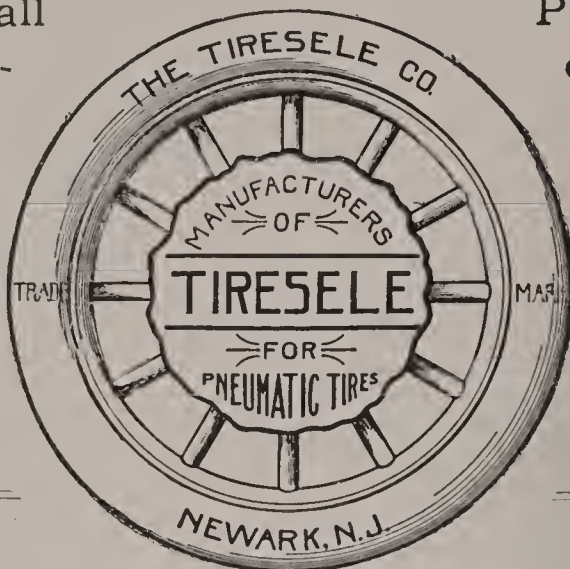
Write for Catalog



# TIRESELE

PREVENTS DELAY—LINGER AND WAIT—

takes care of all  
tured tires—with-  
Shoe. Also Motor  
and all Pneu-  
last as long as  
gum up or get  
in any way  
canizing. Only  
wheel. Price,



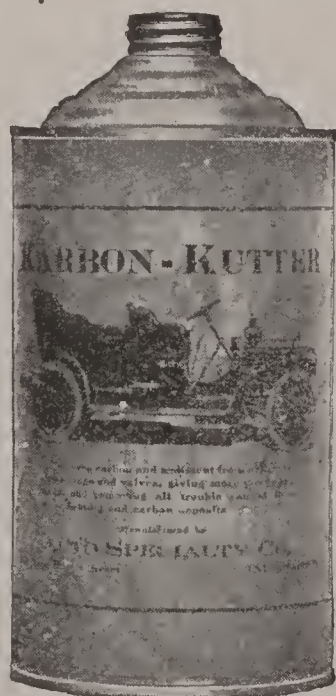
Porous or Punc-  
out removing th  
Cycles, Bicycle  
matic tires—  
tube—will no  
hard. Does no  
prevent vul  
two oz. to auto  
\$2.50 per wheel

WRITE FOR

BOOKLETS

**THE TIRESELE CO., Manufacturers**  
**53-55 Bank Street, NEWARK, N. J.**

Sold by MOTOR CAR SUPPLY COMPANY, CHICAGO, ILLINOIS



# KARBON KUTTER

**WILL SAVE YOU MONEY**

Cleans thoroughly all carbon and sediment from motor  
without injury to any parts.

GARAGE MAN'S CHARGE for tearing  
down motor and scraping carbon, ten  
hours - - - - - \$6.50

OUR CHARGE—1 qt. KARBON KUTTER - - - - - 1.00

Saved - - - - - \$5.50

A set of Scrapers free with each order for one dozen quarts.

**AUTO SPECIALTY CO.**

330 NORTH ILLINOIS ST. - - - INDIANAPOLIS



**AUTOMOBILE BRAKE BAND LINING**

HAS A REINFORCED CUSHION SURFACE THAT TAKES UP ALL SUDDEN JARS AND PERMITS THE RIVETS TO BE COUNTERSUNK, THUS BRINGING THE WEAR ON THE LINING AND NOT ON THE RIVET HEAD

**GRIP-ON**  
*Spells Economy*

---

---

IT IS SOLD UNDER AN  
ABSOLUTE GUARANTEE

---

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For further particulars write

**THE NEW YORK LEATHER BELTING COMPANY**  
EXCLUSIVE MANUFACTURERS

51 Beekman Street  
NEW YORK

44 Franklin Street  
CHICAGO

When passing  
through

**Evansville**

drop in and let  
us serve you

---

---

The finest Garage  
in southern Indiana.  
Our terms are right,  
and we don't care  
who knows it.

---

---

**THE FELLWOCK  
AUTO & MFG. CO.**

No. 3 Upper Fourth Street  
**EVANSVILLE, IND.**  
Opposite Court House





# The Tokheim Gasoline Outfit

Outfit consists of DOME SELF - MEASURING, PRICE COMPUTING PUMP with Tokheim Patent Priming Chamber, Drip Pan, Gauge Rod and Locking Device. Tanks furnished in any desired capacity.

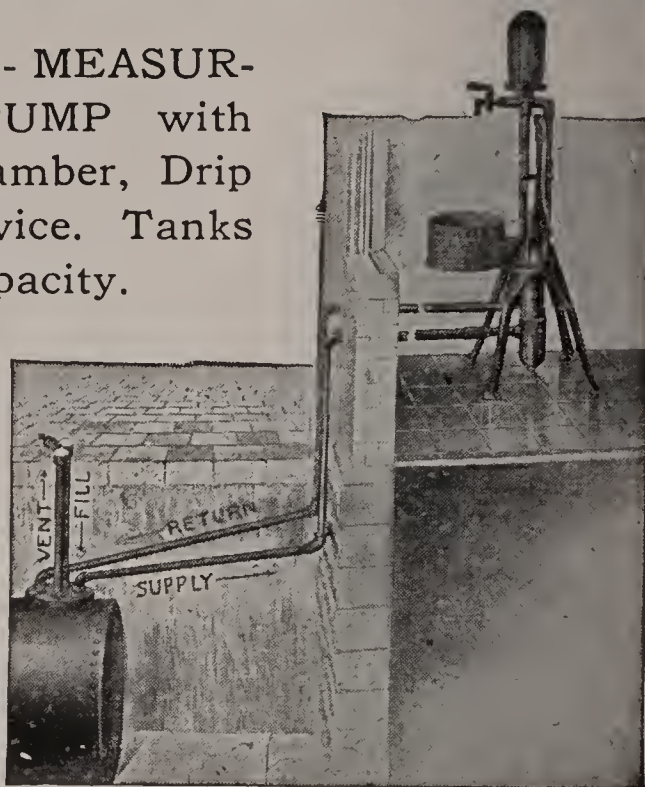
Pump can be furnished with Special Three-Way Discharge Valve and with Counter which registers the amount discharged up to 9999 gallons and repeats.

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WRITE FOR CATALOG

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We manufacture twenty-five styles of SELF-MEASURING OIL OUTFITS.



Dome Outfit No. 4.

**THE TOKHEIM MFG. CO., CEDAR RAPIDS, IOWA**

## THE "MULTO" SOCKET RATCHET WRENCH

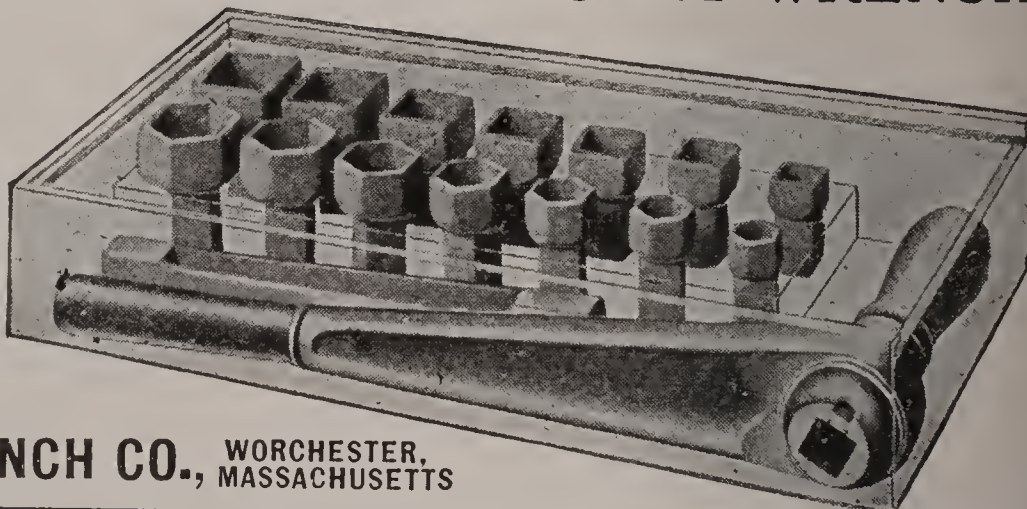
We make Wrenches all sizes from 5-16 to 5 in. sq., 5-8 to 5 in. hex.

This half-ton is from a photograph, showing our "Multo" Socket Wrench. Each Wrench with its fourteen sockets is packed in a substantial covered box.

All our Ratchet Wrenches are reversible and work right or left handed at pleasure without removing the Wrench.

All kinds and sizes.

Send for catalogue.



**LOWELL WRENCH CO., WORCHESTER, MASSACHUSETTS**



The use of "DUFFY'S" proves our claim  
"ONCE A GREASE,  
ALWAYS A GREASE"

---

No waste or flushing on the brakes.  
Not affected by weather conditions.  
Used wherever a grease is used.

Try it

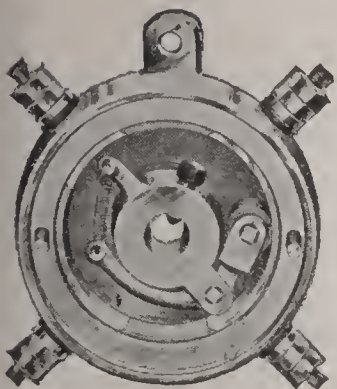
DUFFY GREASE COMPANY, Inc.

New York, N. Y.

# Timers and Distributors

OF EVERY KNOWN TYPE  
FOR EVERY KNOWN SERVICE

---



We are specialists in this line and our experience and manufacturing facilities enable us to turn out large quantities for engine builders and dealers at very attractive prices. Jobbers and dealers write us for prices. Agents wanted in the West and on the Coast.

The Altemus Manufacturing Co.

42d AND CHESTNUT STREETS

PHILADELPHIA, PA.

TRADE MARK  
*Raybestos*

## FRICTION FACING

Is made IN ONE PIECE from asbestos.

Is impregnated in such a manner that it is proof against heat, oil and grease.

Is an ABSOLUTELY DEPENDABLE Brake Lining. You owe to yourself to see that your brakes are lined with it, if you want to have complete control of your car on the steepest grades.

**ROYAL EQUIPMENT COMPANY**

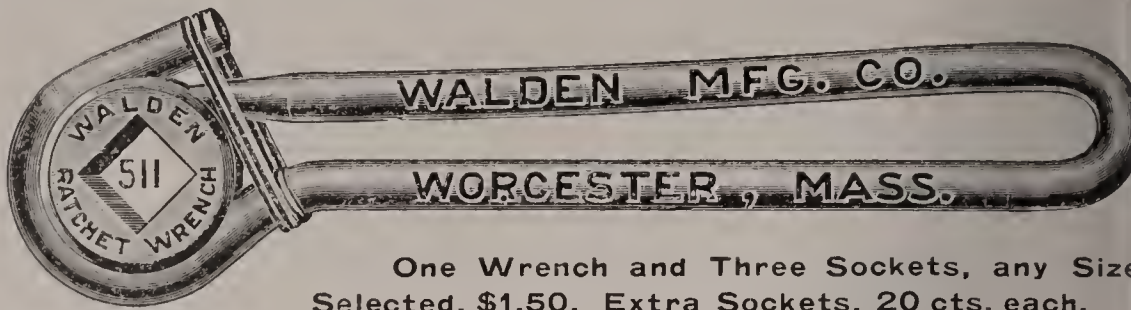
176 Housatonic Avenue

BRIDGEPORT, CONN.





STEEL SOCKETS FIT  
No. 511



One Wrench and Three Sockets, any Size  
Selected, \$1.50. Extra Sockets, 20 cts. each.

Hexagonal Sizes Only  
to Fit Heads

No. 06	$\frac{3}{8}$
No. 08	$\frac{1}{2}$
No. 09	$\frac{9}{16}$
No. 010	$\frac{5}{8}$
No. 011	$1\frac{1}{16}$
No. 012	$\frac{3}{4}$
No. 014	$\frac{7}{8}$
No. 015	$1\frac{5}{16}$
No. 016	1
No. 017	$1\frac{1}{8}$
No. 018	$1\frac{1}{4}$
No. 020	$1\frac{3}{4}$

THE ONLY THREE-PIECE RATCHET  
WRENCH. NOTHING TO GET OUT OF  
ORDER. SIMPLEST POSSIBLE TOOL.  
THE HANDLE IS WIRE—BUT IT CAN'T  
BREAK—IT WON'T BEND—IT WILL STAND  
THE STRAIN—A STRONG, SERVICEABLE  
WRENCH, THOROUGHLY WELL MADE;  
Best of Selected Stock; Nickel Finish.

For Tire Lugs

No. 28	$\frac{1}{2}$ "	Hex.....	\$ .35 Each
No. 29	$\frac{9}{16}$ "	Hex.....	.35 Each
No. 212	$\frac{3}{4}$ "	Hex.....	.40 Each

WE MAKE SPECIAL WRENCHES

WE WANT YOUR INQUIRIES



The Auto Polish of Quality.  
Restores the shine and surface to the  
body, leather trimmings, cushions  
and top, prolongs the life of the finish  
and greatly improves the appearance  
of the car.



The Metal Polish with the Elbow  
Grease in the Can.  
More Polish, Less Work.  
Wipes Freely, Contains no Acid.  
Imparts a brilliant lustre to all Metallic  
Surfaces.

SOLD BY ALL FIRST CLASS DEALERS IN AUTOMOBILE SUPPLIES

If your dealer hasn't got them in stock, write us for our

Thirty-Day Trial Offer

THE CLEANOLA COMPANY

Fulton Building  
PITTSBURG, PA.

53 West Van Buren Street  
CHICAGO, ILL.

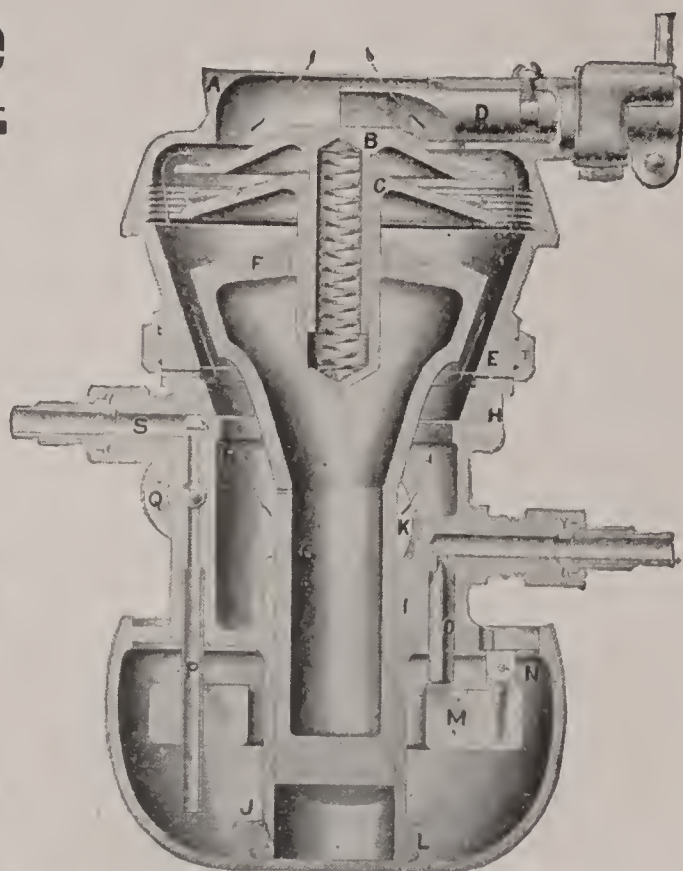
# New Principle

THE

# Stewart

# Precision

# Carburetor



Sectional View.

You want the maximum of **POWER**  
on the minimum of **FUEL**.

You want quiet running and  
a **UNIFORM MIXTURE** at all speeds.

THE

## **STEWART PRECISION CARBURETOR**

will get you these results better than any instrument  
you have ever used, or your money will be refunded.

### **NEW PRINCIPLE.**

The proportioning of air and gasoline is accomplished by **gravity**, acting on the one moving part, there being no **springs**.

### **THE RESULT**

is a consistent performance at all times. Write  
for descriptive matter

**Alfred C. Stewart Machine Works,**  
**LOS ANGELES, CAL.**



# FOUR GOOD THINGS

## MOBO AUTOMOBILE CLEANSER

is made as good as automobile soap can be made. It has a substantial body. Therefore it cleans easily, quickly and thoroughly. MOBO is also absolutely free from uncombined alkali. Because of this it works without injury. These things about MOBO mean much. They mean clean, bright cars, also long life to varnish and paint. Therefore we suggest—try MOBO—in 50c and \$1.00 cans.

## SHOFO HAND CLEANSER

is made of Castile Soap, powdered Pumicestone and green Olive Oil. These three SHOFO ingredients show a quick, easy and effective working out. To explain, the Castile Soap washes, the Pumicestone scours and the Olive Oil keeps the skin soft. This SHOFO way of hand cleansing is ease, speed and delicacy combined. It is better than all others. Therefore we say—try SHOFO. In 10c and 20c cans.

## HYGLO METAL POLISH

is different from all other metal polishes. It is one that eliminates the wait-while-it-dries feature. Also that rub-rub-rub which does tire. Instead the HYGLO way is quick, easy and sure. Then further a HYGLO shine is always even and brilliant, and one also that stays long. In that regard a HYGLO shine is distinctly long-lived, and the only one that is a real all-day shine. 15c, 25c and \$1.50 cans.

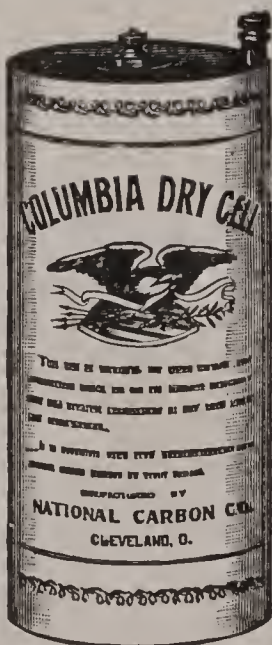
## LEVO WOOD POLISH

is good for cars minus part of the fine varnished finish they had when new. That because LEVO fills in digs and covers up bare spots. At the same time LEVO gives a polish equal to a new coat of varnish, which does not wear off quickly, or come off in washing, because LEVO is an oil preparation and is waterproof. So if your car shows varnish departed, but not enough to warrant the paint shop—Try LEVO, and it will make the car look new. In 25c, 50c and \$1.00 bottles.

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by other MOTORISTS and  
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**COLUMBIA**  
or **COLUMBIA IGNITOR**  
"RED TOP" dry cells.



Don't accept SUBSTITUTES which may spoil your trip.  
INSIST on getting COLUMBIA cells. They cost NO MORE.

No Extra Charge for Fahnestock Clips

**NATIONAL CARBON COMPANY**

**CLEVELAND, OHIO**

### On Dunlop Type

Over 8,000 miles with a Cadillac on Diamond Dunlop type tires and no tire trouble at all. That's what I think of the Diamond Dunlop Style of tires.

R. W. Emerson,  
Central City, Ia.

# What's Your Car ?

### On Fisk Type

My experience with Diamond Fisk Type or "bolted on" tires on my Stevens-Duryea has been so satisfactory that I shall certainly have none but Diamond in future.

N. L. Ely,  
Peekskill, N. Y.

### Big or Little

## Diamond

### Heavy or Light

## WRAPPED TREAD TIRES ARE FOR YOU

### On a Large Car

I can well imagine that you receive many testimonials for Diamond tires, but I wish to add mine—that Diamond tires on my Peerless Car have been nothing short of extraordinarily fine.

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Indianapolis.

### Much Better

### Cost No More

Quick Detachable

Regular Clincher

Mechanical (Dunlop)

And Fisk Types

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West Orange, N. J.

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All supply houses sell

**DYKES'**

## Never Kleep Tire Shoes



This shoe is specially prepared with a cement coating, ready for instant use. Clings to inside of casing, same as if vulcanized.

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## HAZARD OF NIGHT DRIVING

is reduced to the minimum only if you use reliable burners. The safety of both car and passengers depends then on this apparently unimportant little unit. "A chain is no stronger

than its weakest link." No matter how good your lamps or gas supply, unless you have the best burner procurable. When your lamps are new from the factory, they are equipped with some style of Alco burner, for all important lamp makers use ALCO. Then why not insist on Alco again when replacing broken and worn out burners?

All dealers sell—we do **not** sell to consumers direct.

Ask Dealer.



Alco DeLuxe Genuine German Lava. All gas sizes. Hexagon base (Pat. Dec. 24, 1907) permits easy installation with wrench or pliers.

AMERICAN LAVA COMPANY  
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Always  
See  
the  
Road

Have a  
**Williams  
Shield**

put on your  
car while stop-  
ping over night.

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A Touring Car Shield When Top is Up      A Roadster Shield When Top is Down  
All in One      Fits All Cars      Nothing Like It

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Garage Department one block from Oliver Hotel.      Open day and night.      Machine Shop and Supplies  
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**NEVER MIND THE PUNCTURE**

**THAT CAN BE REPAIRED WHEN YOU GET HOME**

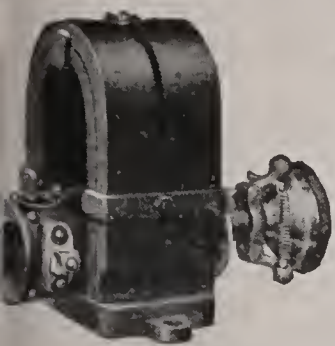
## **A Detroit Emergency Wheel**

attached to the rim of the wheel carrying the disabled tire, will enable you to drive for miles

**EASY TO PUT ON      LIGHT WEIGHT      REASONABLE PRICE**

Can be attached in less than one minute without removing the punctured tire

Ask Your Dealer for the **Detroit** Emergency Wheel



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**Ford Magneto = \$25**

For Ford Models N. R. S.

**Maxwell Magneto \$25**

For Maxwell Two-Cylinders



Does the work as well as any \$75 Magneto. Does it far better than any cheaper Magneto. No special coil required. Works with your present equipment. Brackets and everything necessary for installing furnished. The only Magneto backed by a 30-day free trial. Not an experiment. There are thousands in use. Write for catalog M. Which have you, Ford or Maxwell?

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Blowouts repaired. Sectional repairs made. Casings retreaded and recovered. Tube punctures vulcanized. Motor cycle tires repaired.—We give you a **SQUARE DEAL** and **YOUR MONEY'S WORTH**. We can guarantee our repairs, because we use the best materials, employ efficient workmen, and operate our well-equipped shop under up-to-date methods. **We Sell New Tires.** Our Aim is Our Motto: "Right and Reasonable."

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*Means the Best of Its Kind At Any Price*

ALL LIVE DEALERS CARRY THE LINE

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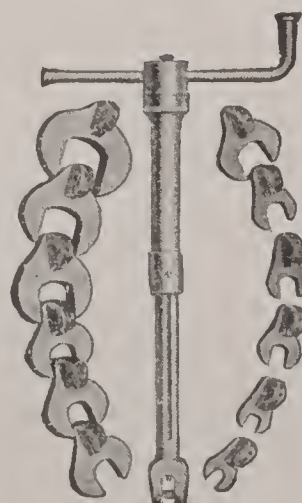


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**MEANS THAT GOODS SO BRANDED**  
**ARE ABSOLUTELY CORRECT**

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**BRAKE BAND LINING**

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**TIRES AND INNER TUBES**  
 MANUFACTURED BY THE  
**Thermoid RUBBER COMPANY**  
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Equip your car with the GRAY AUTOCHIME. The Pioneer and Aristocrat of exhaust-blown signals. Some unscrupulous jobbers and dealers are offering imitations at prices from \$4.00 up. The Autochime sells for \$10.00. It's more than worth the difference.

See the name on the bell.

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Superior Motor Car and Motor Boat Accessories

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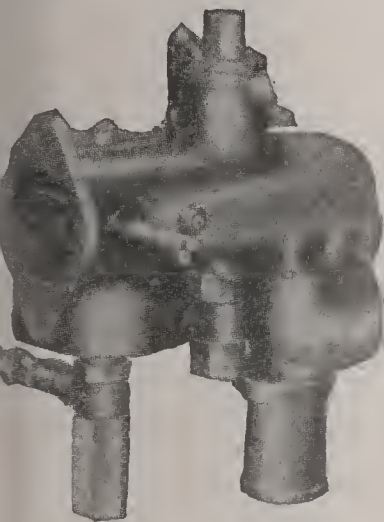
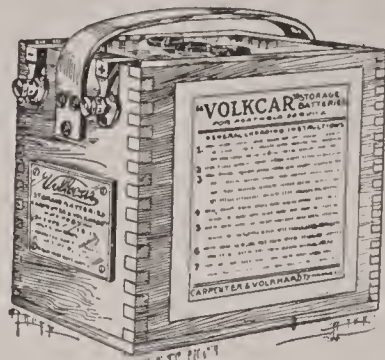
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### THE PRINCIPLE OF THE PETRE CARBURETTER

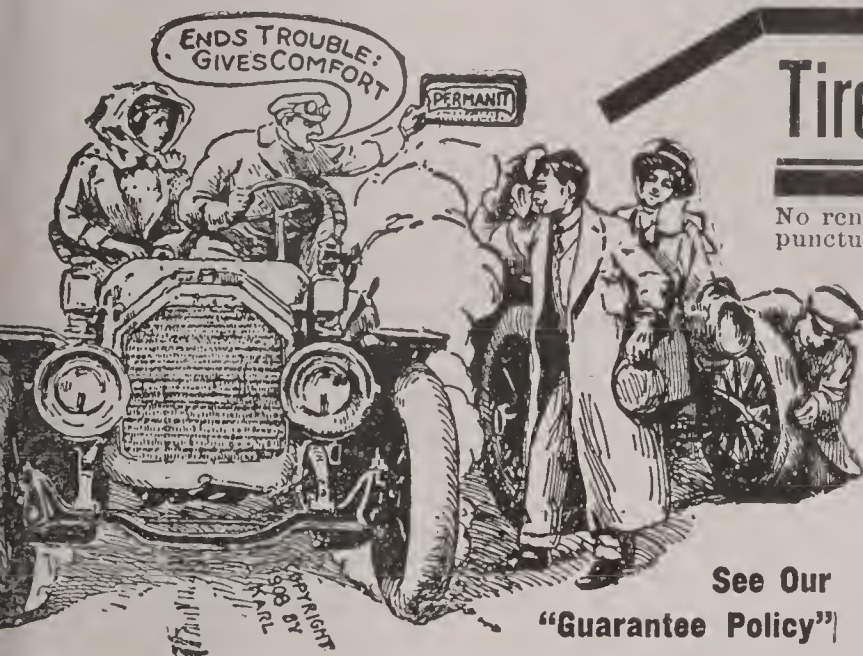
is exclusive. No other carburetter on the market has an automatically controlled needle valve which apportions the exact amount of gasoline for the given amount of air, making the quality of the mixture constant, whether running five or fifty miles per hour, up or down grade.

Notice that the needle valve and the air inlet are so affixed to the same lever that any movement of the air valve gives a correct and proportionate movement of the gasoline inlet, thus insuring a perfect mixture at all times, under all conditions.

The Petre Carburetter is guaranteed to

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(25 per cent. more power on topping a hill—and we can prove it.)
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No remedy has been found that would heal punctured tires without injuring the rubber, until "PERMANIT" was discovered and put in practical use.

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is imported from Europe and in use there for years and now in this country on the market for over a year and a half.

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Demonstrated before Board of Governors Harrisburg Motor Club with great success.

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Price - - \$1.25

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Extra Long.

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With our double porcelains, the contraction and expansion is uniform, and cap protects inner heated tube. Practically no breakage or leakage with "VULCAN" STA-RITES.

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We agree to repair, free of charge, perpetually, any Sta-Rite Plugs returned to our factory, at any time.

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TYPE OF STA-RITE MICA IGNITION PLUGS

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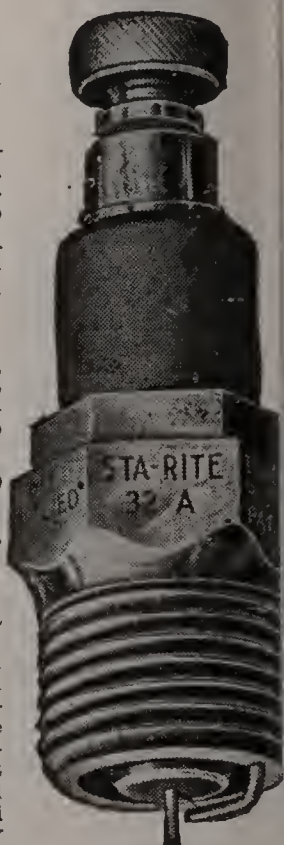
Thor, No. 51. Same as No. 48, except with special long bolt to fit Thor Motorcycle terminal. Price - - \$1.50

Hedstrom Plug for Indian Motorcycles. Price - - \$1.50

Mica Insulator, complete, threaded to fit Nos. 28A, 32A, 48, 51 and Hedstrom.  
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All "Venus" Sta-Rite Mica Plugs are constructed with solid bolts from Bessemer steel rod, which do not stretch, and mica does not loosen. The inner India mica core is made with no shellac or other sticking substance. The perfect mica washers are compressed under great pressure, and machine turned to a finely glazed surface, which with ample air space is practically soot and waterproof, and cannot be broken in service.

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No matter what kind of roads you have to travel, and no matter what kind of pneumatic tires you ride on, you are liable to have a puncture or blowout at any time. If you try to repair it on the road, it takes time and work--dirty work, too. If you continue your journey without attempting to mend the tire you will ruin it, and tires cost money.

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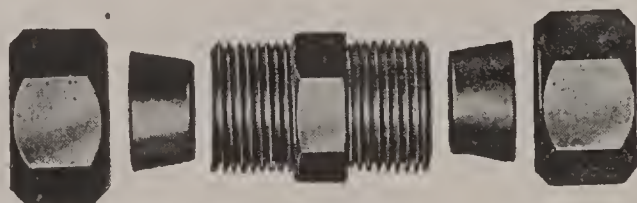
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For connecting Copper, Steel, Brass and Aluminum tubing, without soldering, without flaring, without cement, or solder, especially adapted for Automobiles, Motor Boats and Gasoline Engines.

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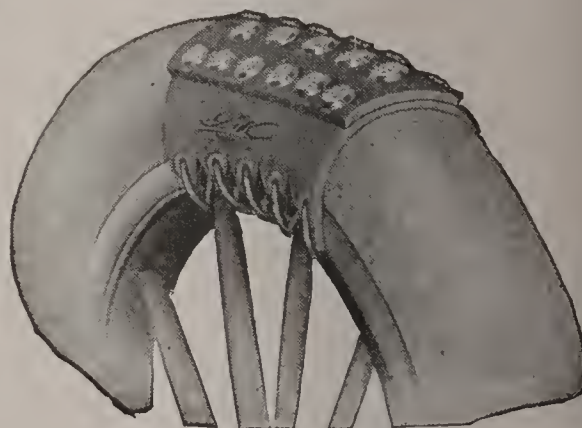
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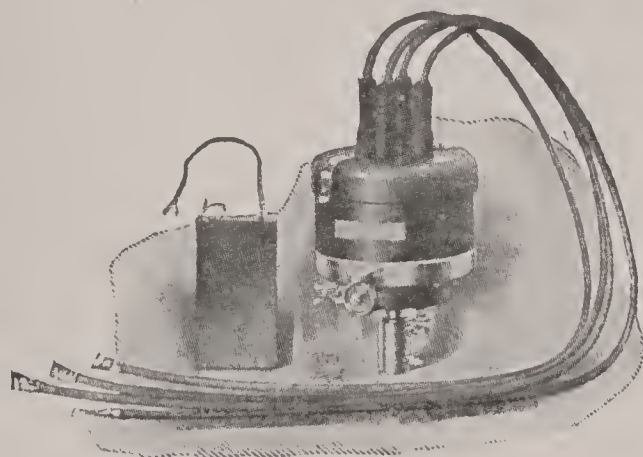
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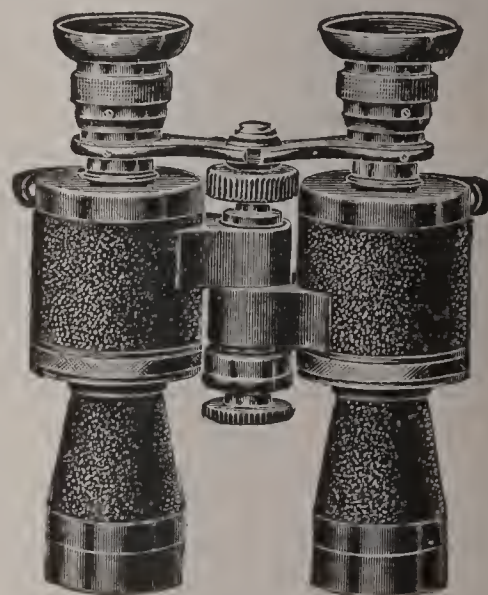
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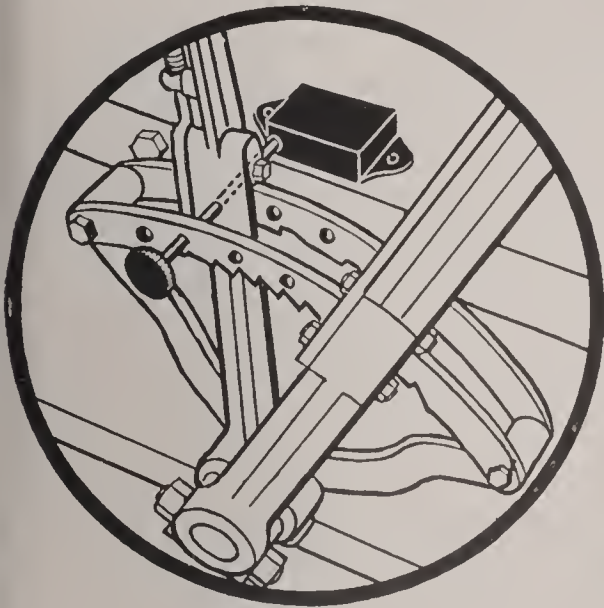
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"Perfection"



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**INSIST UPON THE GENUINE**

FOR SALE EVERYWHERE!



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Fluid Transmission Grease

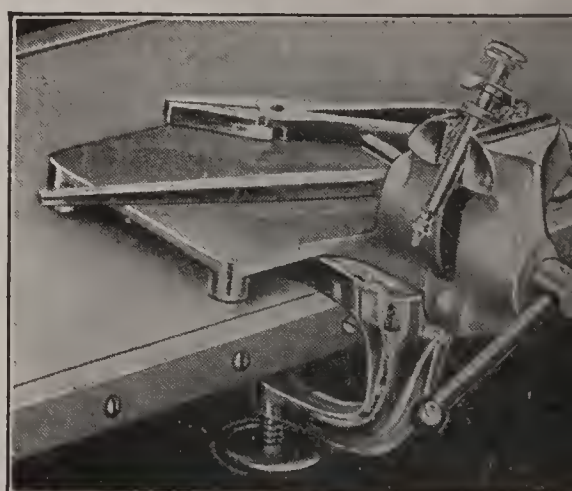
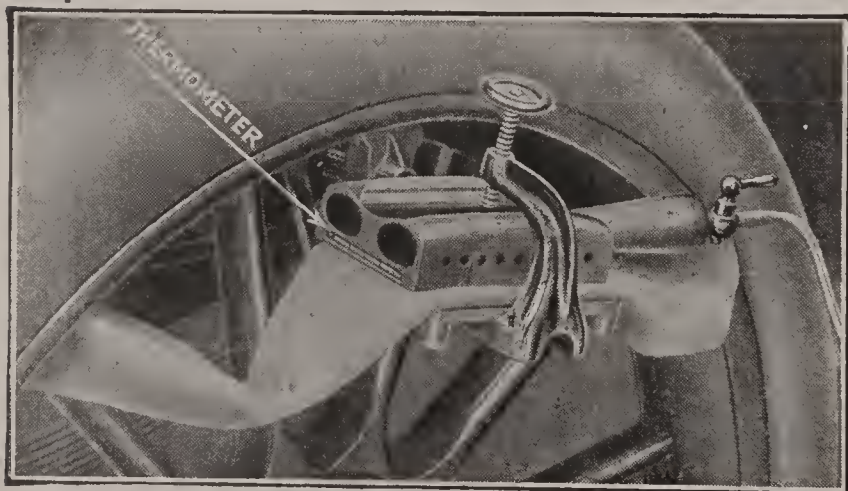
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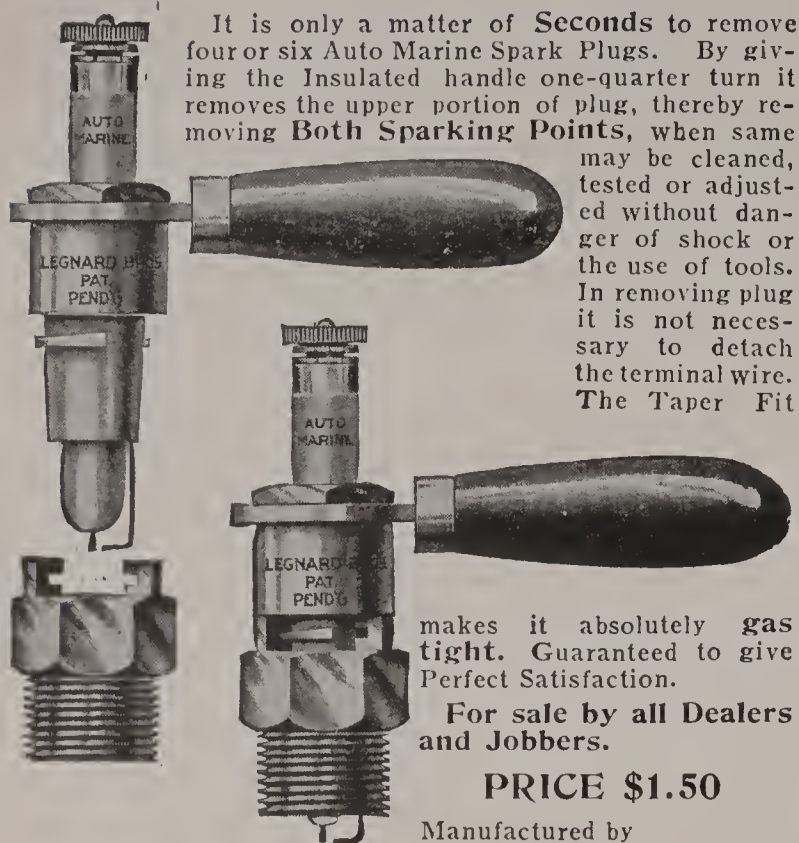
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## TIRE, TOOL AND TOURING CASE



shows case with cover removed, displaying tires, tools, etc. The lower space within the circle holds gloves inner tubes—or any articles used in touring. The upper space takes two shoes, the upper spaces a full complement, thus doing away with all other appliances saving extras. The cost of the Dow Tire and Tool Case is much less than that of the many pieces of equipment of this case is not used on your car. Patent pending.

FOR CAR SUPPLY COMPANY, Chicago Agents.  
 BRILL MANUFACTURING CO., Sole Owners and Manufacturers. Old South Building. Boston, Mass.

## You Can Control This Automobile Horn Perfectly



This Sireno Electric Horn is so flexible that by varying the pressure on the switch you can produce a gentle purr for the city streets, or a blast that can be heard over a mile away in the country.

The Sireno produces a powerful, musical note. It starts instantly, yet the minute the switch is released a patented, magnetic brake automatically stops the motor.

### SIRENO

#### Electrically Operated

The Sireno is reliable, for it is operated by the regular six-volt ignition battery. It is independent of the engine—never fails to work—doesn't drain the ignition battery. And if you have a magneto, any six-volt battery will run the horn. The Sireno is built of the best materials and is beautifully finished. It is light—compact—easily put on your car in a few minutes.

The Sireno is ball-bearing throughout—self cleaning—perfectly protected from dust and water. It needs no care—has no vibrator—nothing to wear. And you can place the switch wherever you want it. Price \$35 complete.

#### THE SIRENO JUNIOR

Built on the same principle as the Sireno, except that it is smaller—produces a lesser volume of sound—and has no automatic brake. A wonderful horn at \$25—suitable for any car. For summer touring, there is no better horn for any car than the Sireno Junior with the long Projector. Its note will carry for almost two miles on a country road. Price, complete, \$28.

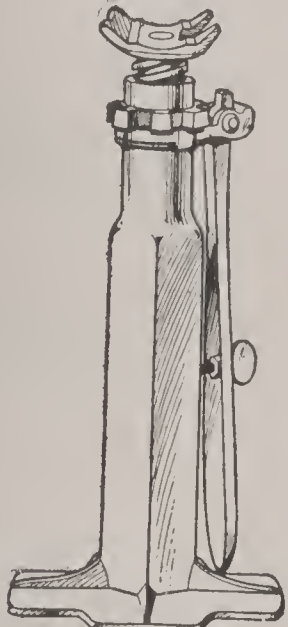
If your dealer hasn't the Sireno, send us \$35—or \$25 for the Junior—and let us ship you a Sireno. If you are not satisfied that it is the best horn made, return it to us. We will refund your money at once. But write immediately. We may not be able to fill your order if delayed. Address Department "S."

The Sireno Co., 39-41 Cortlandt St., N. Y.

## JACKS!

### AND ATLAS AUTO JACKS

Patent Allowed.



Atlas Nos. 1, 2, 3.  
 ht over all, No. 1 10 inches. No. 2, 11 3/4 inches.  
 No. 1, 5 lbs.; No. 2, 6 lbs.  
 lever has an up and down motion. It is slotted at  
 so as to move in or out, to engage from 1 to 4 teeth  
 wheel.  
 head revolves on the end of the screw so that the  
 be worked at any angle or in cramped places. The  
 the truss brace, round or square axle.  
 es any automobile with wheels 22 inches or over.  
 cannot have an accident with this jack.  
 screw is one inch in diameter.  
 quick work raise the screw up against the axle and  
 nut down until tight then two or three strokes of  
 raises the wheel.  
 od jack is just as essential as good roads.  
 at your car is equipped with either a U. S. or Atlas  
 ample, durable, guaranteed.  
 price, No. 1 \$2.50; No. 2 \$3.00.

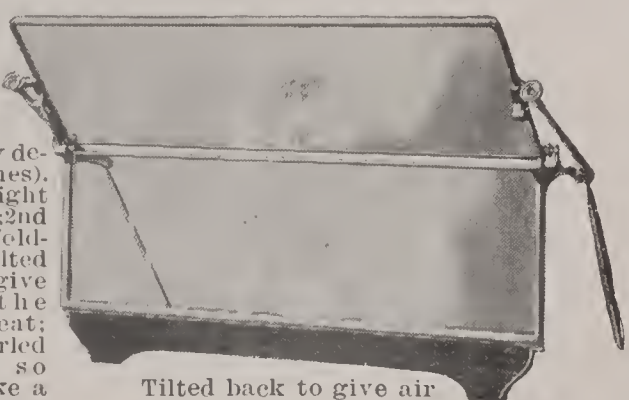
ACK COMPANY, 128 West Lake Street, Chicago.

U. S. Jack No. 1.

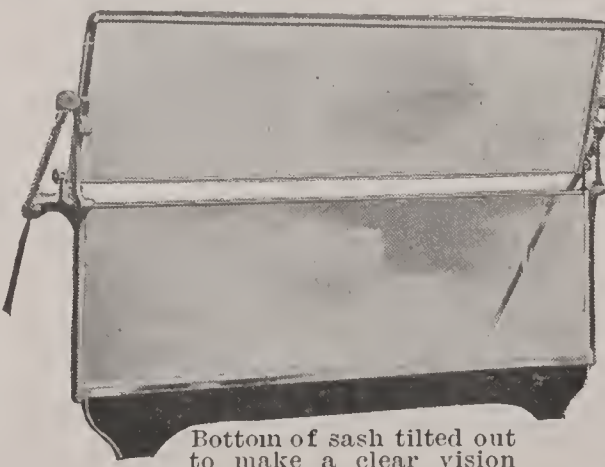
## SAFETY REQUIRES ABOVE ALL AN UNBREAKABLE FRAME.

### Col. Sprague's New Air Cushioned "Leader" Wind Shield.

It can be rigidly held in four positions (the only desirable ones).  
 1st. Upright or closed;  
 2nd. Down or folded;  
 3d. Tilted back to give air to the back seat;  
 4th. Carried forward so as to make a clear space between the upper and lower sash, so you can see your way in rainy weather.



Tilted back to give air to people in rear seat and still keep out storm.



Bottom of sash tilted out to make a clear vision space in case of rain and still keep out the storm.

Our air cushion locking device works easily and positively and holds the shield rigidly in each of the above positions. It cannot get out of order.

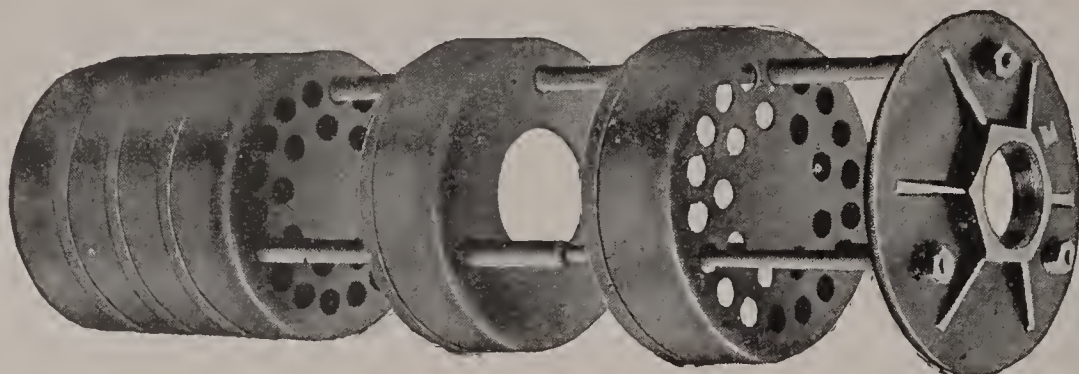
Do you know of any other shield that has all of these important features combined?

Catalog and price list sent on demand. N. B. All of our shields are made to fasten on the dash with clips. Where side standards are wanted we charge \$1.50 net extra, including dash fixtures.

THE SPRAGUE UMBRELLA COMPANY, Norwalk, Ohio.



## POWELL PRESSED STEEL MUFFLER, PATENTED



In ordering state size of engine cylinder and number, size of exhaust pipe and whether standard pipe, steel or flanged connection is used.

We recommend a 15 or 16 section for a 40 to 50 horse-power automobile engine.

**POWELL MUFFLER & TIMER CO., UTICA, N. Y.**



## Lucas AUTO-KLEAN

Instantly removes dust, grease and grime. Restores the original brilliancy of the polished parts—wood, metal or fabric—without the slightest injury.

PRICES (DISCOUNTS TO DEALERS)

1 Gallon cans	----- \$2.50 each	1 Pint cans	----- \$ .60 each
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## MAT'S Automobile Body and Leather Dressing POLISH

Prevents finish from cracking or staining. Absolutely no sediment. Positively no acids used. As a preservative, it has no equal. It dries quickly, softens the leather, and renders it waterproof.

For sale by all automobile supply and accessory dealers.

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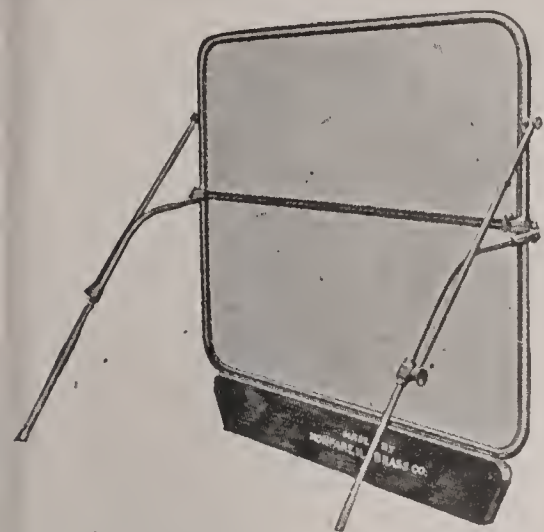


The Lock Flap insures your tire's against Water, Oil, etc.  
Perfect Fitting.

**NATHAN NOVELTY MFG. CO.,**

84 to 90 Reade St.,

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Selected Plate Glass—Solid Brass Tubing—Mahogany

Represents the Finest Product of the Wind Shield Art.  
Light, Durable and Will Not Rattle.

Furnished with Filler Board to cut for any make of car.

No. 25, Solid Brass Tubing, similar to cut, complete,  
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Equipped to car at our factory, or boxed F. O. B.

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**NO MORE HAND PUMPING!!!**

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## **A=B=C ENGINE-DRIVEN TIRE PUMP**

Eliminates the use of **ALL** hand-pumps Easily attached to **ANY CAR**

**SMALL, LIGHT, CONVENIENT**

**110 LBS. PRESSURE IN 4 1-2 MINUTES**

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**ARTIZAN BRASS COMPANY**

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**Prices and Samples Furnished Upon Application**

**Headquarters for Automobile Tires  
and Automobile Accessories**

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**Let us send you sample can and you will use no other Metal Polish**



# MILLER'S STANDARD QUICK OPERATING GREASE GUN

FILLS A LONG FELT WANT

STRONG



RELIABLE

FILLED AND EMPTIED IN THIRTY SECONDS  
\$2.00 FULLY GUARANTEED \$2.00

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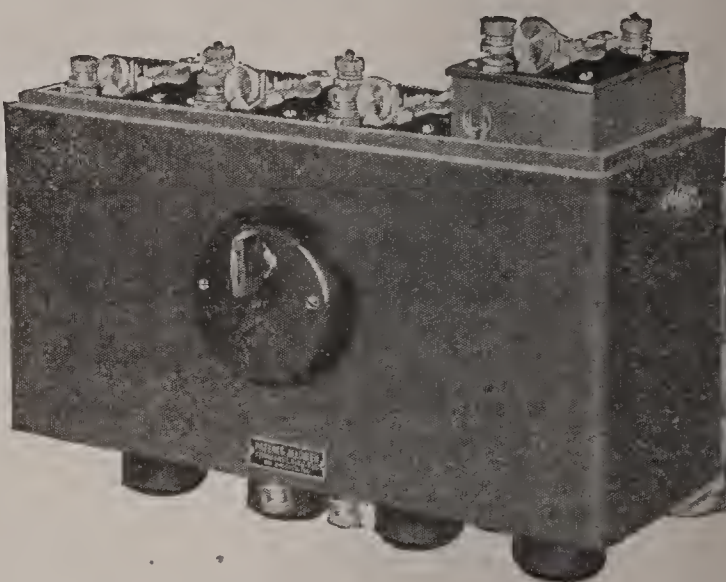
All windings guaranteed absolutely for five years. Constructed by our patented methods. The most advanced coil on the market. High grade workmanship. No "Freak" Features. Built along practical and scientific lines. The lowest priced strictly high-grade coil. Our pan-cake system of winding explains this.

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North Chicago, Illinois.

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## WIRELESS AUTO-CONTACT BATTERY BOX

Uses ANY standard No. 6 Dry cell,  
No wires, no binding posts,  
All connection automatically made by  
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Series or Multiple-series at your option.

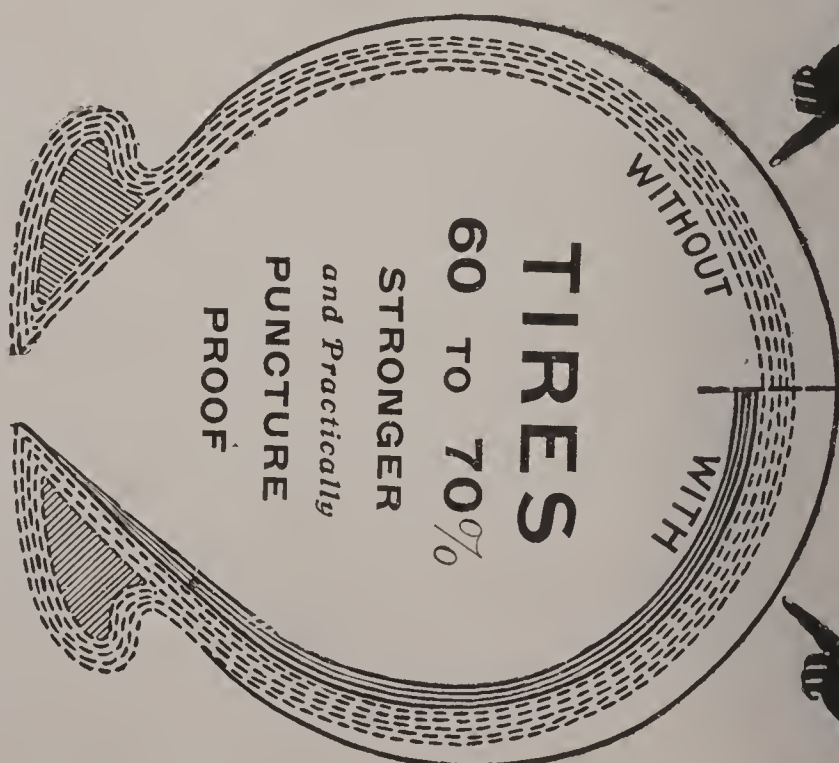
"Shut the Lid = = = That's All!"

A. HALL BERRY, 97 Warren St., NEW YORK CITY



(8 Cell Box)

MAKES TIRES LAST TWICE AS LONG  
DOUBLES THE PLEASURE  
OF AUTOMOBILING  
FOR SALE BY ALL DEALERS  
INNER SHOE TIRE CO.  
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"INNER SHU"

Positively Makes

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A powdered Flake Graphite absolutely free from grit, that will not clog up oil feed pipes

Reduces friction, increases available \_\_\_\_\_ or lubricators horse power and assures cool bearings when used in lubricants.

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## TRIUMPH ADJUSTABLE VALVE REMOVER

Does the work with no side strain or bending of valve stem.

ADJUSTABLE AND NON-ADJUSTABLE BALL JOINT  
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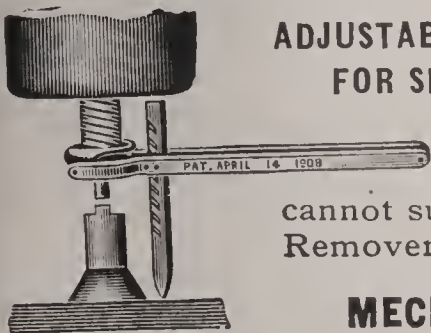
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throughout the United States, if your dealer  
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**MECHANICAL AND ELECTRICAL MFG. CO.**

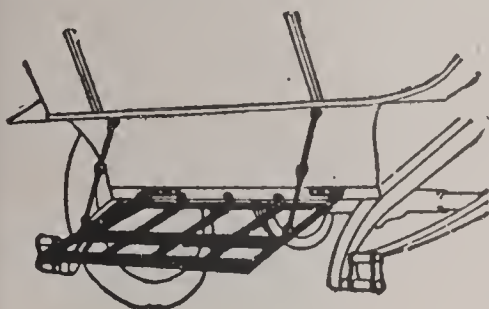
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CHICAGO, ILL.

Write for Catalogue No. 10



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Made for service and in sizes to fit any car. Is made of light cold rolled steel, black enamel baked on. Will outlast and give better satisfaction than any Trunk Rack on the market today, in fact will outlast the car. The racks are made adjustable wherever possible and can be put on any car. They stand for efficiency, durability and reliability. If you want the best, most convenient and most substantial Trunk Rack on the market at a fair price write us. Money refunded if not as represented. Orders filled promptly.

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**RELIABLE** Igniter Storage Battery (Hard Rubber Jars)

Also Motor Cycle Type in Celluloid or Rubber

WE MAKE 44 STANDARD STYLES AND SIZES

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# THE GEISZLER

Non-Sulphating  
Storage Batteries

Size 66, 6 Volts, 60 Amp. Hrs.



PRICE  
**\$15.00**

Perfect satisfaction **Guaranteed** or money refunded any time within one year of date of purchase.

Superior to any other Storage Battery regardless of price.

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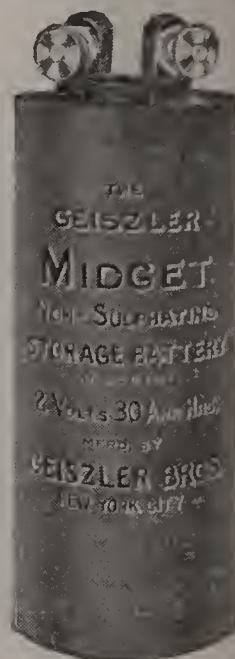
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2 Volts, 30 Amp. Hrs.

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**\$2.50 Each**

Give more power and speed than dry cells, will hold their charge for months when not in use, can be recharged for 15 cents each, and will outlast three sets of dry cells on each recharge.



Same size as  
No. 6 Dry Cell

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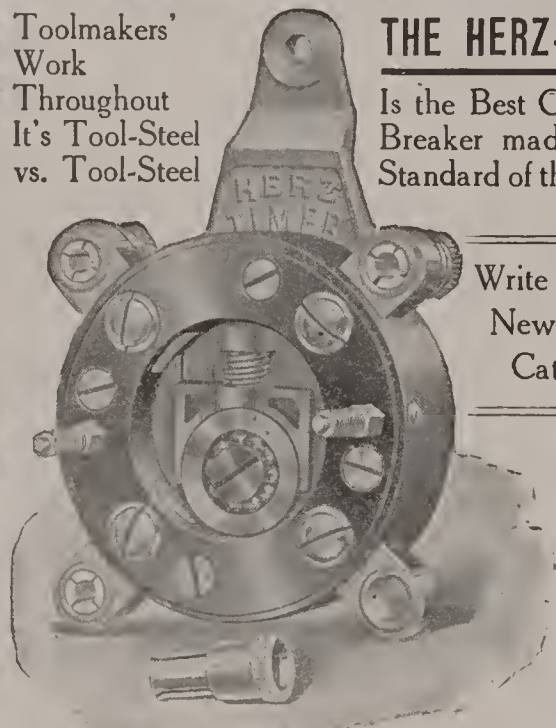
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Toolmakers' Work Throughout It's Tool-Steel vs. Tool-Steel

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Is the Best Circuit-Breaker made—The Standard of the World



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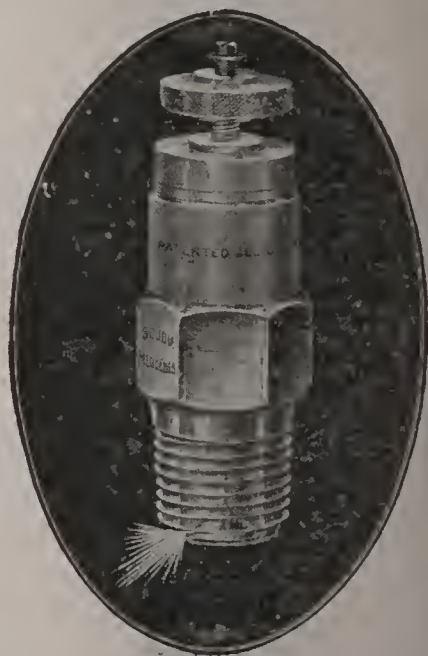
### The HERZ-PLUG

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IS THE BEST AND MOST RELIABLE SPARK PLUG EVER MADE—The double-stone insulation alone lifts it sky-high above the best porcelain plug. Stone will **NEVER** crack; porcelain does. **The Herz-Plug** is proof against oil or soot; self-cleaning. Forms part of your motor, same as the pistons. Needs never to be taken out.

PRICE  
**\$1.50**

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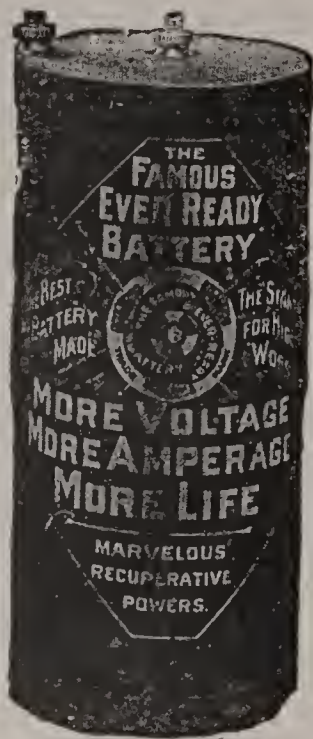
Copies of the directory are fifty cents each.

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- No. 406. Type "J"  
2½ x 6 inches . . . . 25c  
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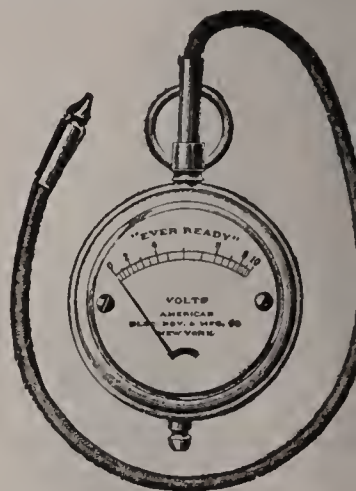
**AMERICAN EVER READY COMPANY, 184 LAKE STREET, CHICAGO, ILLINOIS**

## "EVEREADY" POCKET METERS (HAND CALIBRATED)

Size to fit the vest pocket.  
Without doubt the smallest,  
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0-30 Amperes  
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Each instrument in a  
chamois leather case.



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They never let go.

Eliminate all ignitio  
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REMOVES TARNISH INSTANTLY  
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come to all who do not use the kind of Spark Plugs  
that will work under all engine conditions, regardless  
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### VANGUARD SPARK PLUGS

the central firing pin or point has been eliminated  
and the spark is forced to  
a connection with spiral  
platinum wire encased in  
porcelain through a mi-  
croscopic aperture that  
does not permit even air  
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The absence of firing  
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where closing of circuit is forced. Let the VAN-  
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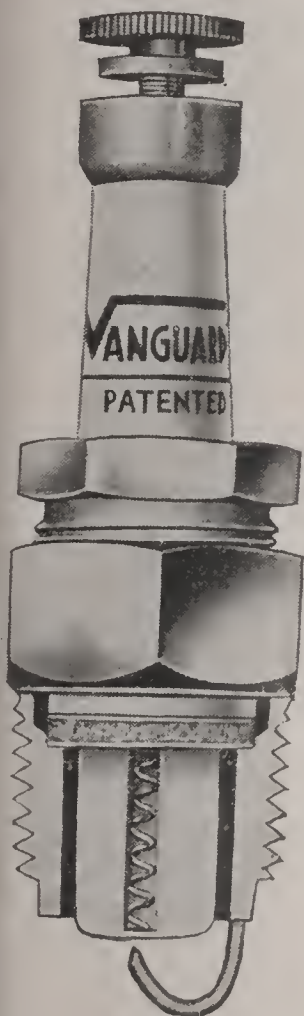
Standard  $\frac{1}{2}$ -inch and metric thread \$1.

A. L. A. M. \$1.25. Sent postpaid on receipt of price.

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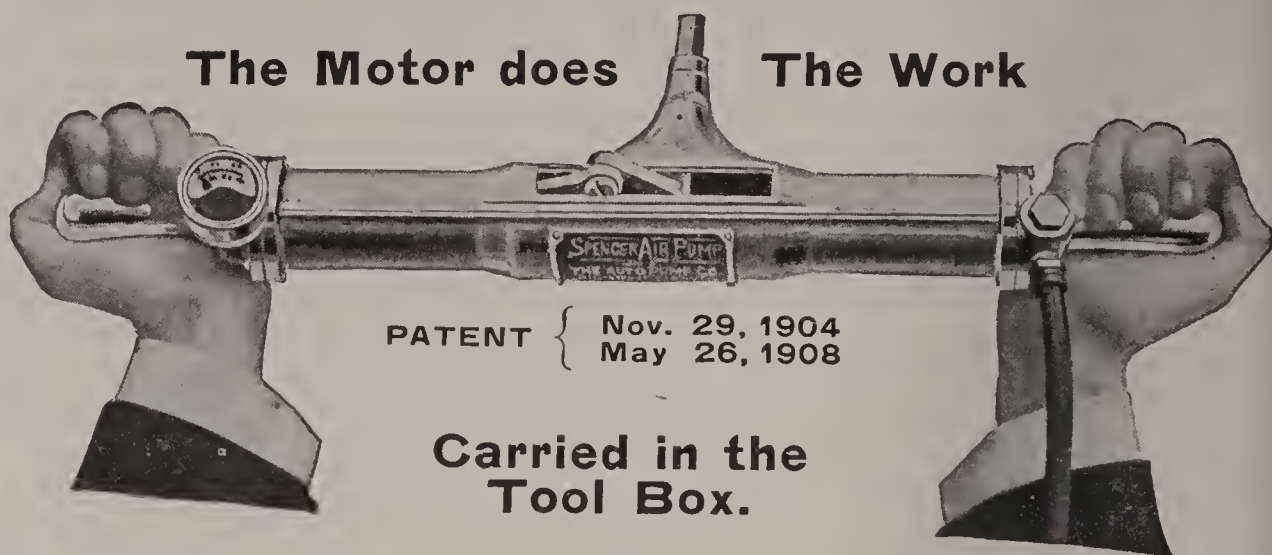




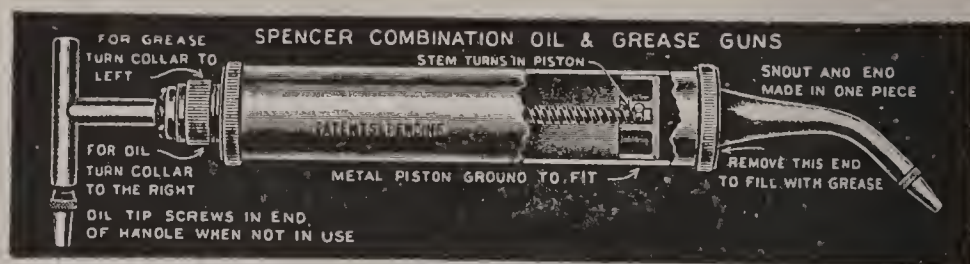
OUR LINE FOR 1909-1910

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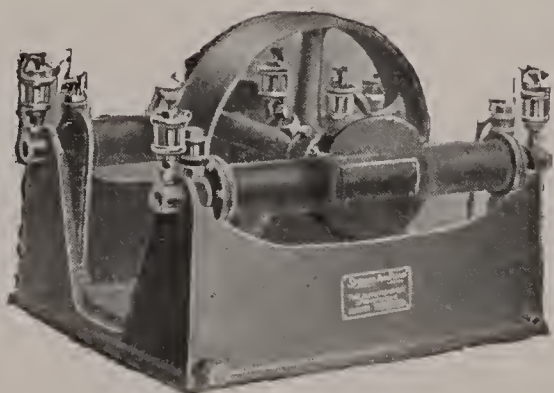
The Motor does The Work



**This Pump** is built like a high-grade engine, cylinder pistons and piston rings, ground to the thousandth part of an inch. There are no leather packings to dry or wear out. It will inflate your tire in two minutes, saving time and labor. It will increase the life of your tires by keeping them properly inflated.



MADE IN FIVE SIZES.



Our four cylinder **Garage Pump** is made up of drop forged pistons and cranks and equipped with piston rings.

It will give a high pressure and large volume, and will do the work of a pump costing twice the money.

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Fits Neat  
and Smooth



Keeps Top Clean

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## GORDON NEW ENGLAND TIRE COVER



Buttons on the tread  
of the tire—don't scratch  
polished surface : : :

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CATALOGUE FREE

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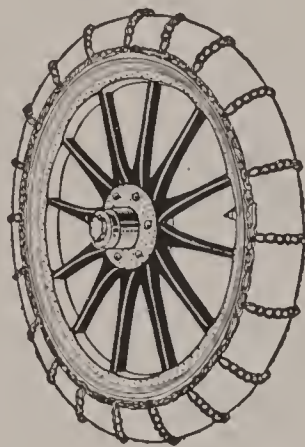


# IT MAY RAIN TO=DAY

or to-morrow or next day. Then you'll need Weed Chain Tire Grips. And you'll need them badly. There is only one way that you can be positively sure that your car is not going to skid off the road, and that is — by using

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Weed Chains are easily attached or removed. They are in use only when you need them. They occupy but little space in the tool box. The new Weed cross chains are BRASS PLATED—see that you get them.

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Need no recommend — ask  
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## GREEN OIL SOAP

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Telephone Main 277



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ELECTRIC VULCANIZERS

**KEEP**

UP	DOWN
YOUR	YOUR
TIRES	EXPENSES



There is nothing that will so add to the comfort of a tour, as the knowledge that you have nothing to fear through punctures and blow-outs.

A SHALER will keep your tires in perfect condition and appearance.

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Repairers of all styles of  
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## SPONGES AND CHAMOIS

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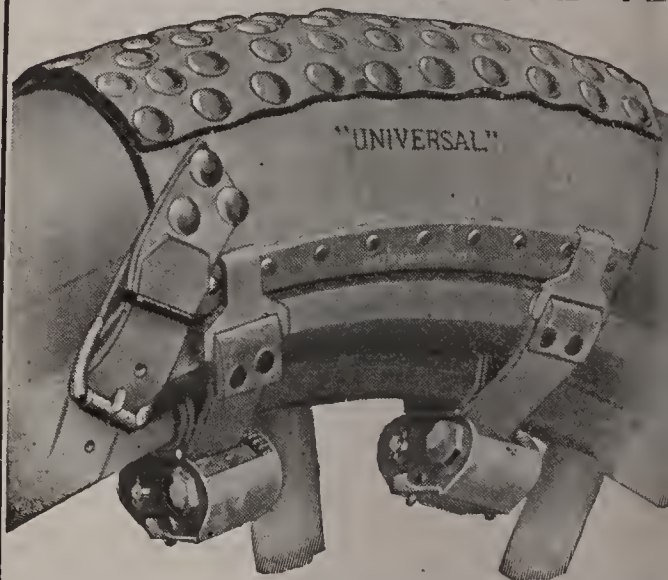
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**DETACHABLE FULL TREAD**  
(IMPROVED)



The full tread protector with an adjustable tension anchorage. Unlimited tension and adjustment. A positive non-detachable anchorage, which eliminates all possibility of tire injury from friction or abrasion. Special steel stud rivet traction armor with protecting armor all the way over, affording positive traction, absolutely non-skid and puncture proof. A safe and sane tire protector for all possible road conditions. Write for descriptive circular and prices.

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**EMERGENCY TIRE SLEEVE**



For temporary protection and repair. Ratchet tension anchorage. Instantly adjusted. It is placed or removed in a "jiffy." No lacing. No tools, but the little wrench. The "Universal" sleeve is guaranteed to bring you in on 4 wheels in any case of tire injury from a scratch to a blow-out. Saves you time, saves your temper, saves your tires.

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Havoline Oil has a high fire test and just the right amount of body. It is filtered free from all carbon producing impurities.

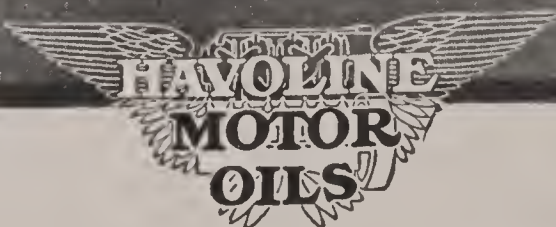
It is the best gas engine oil made.

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DON'T ECONOMIZE ON YOUR OIL—it is poor economy. Poor cylinder oil will increase your repair bills far more than the slight saving in price originally.

WE CANNOT MAINTAIN Panhard quality and compete with cheap prices and we will NOT lower the quality. You will thank us for it in the long run.

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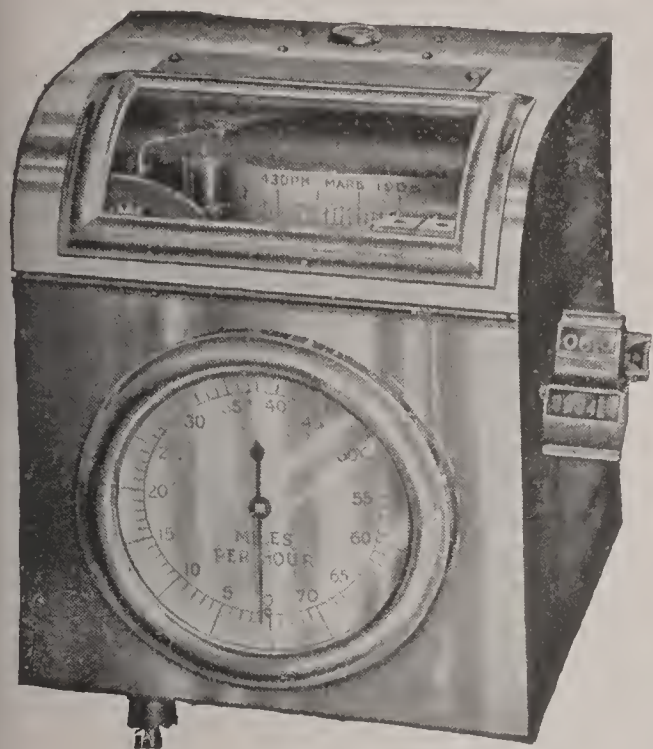
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- U. S. G. Co's No. 205 Lubricating Graphite mixed with oils and greases

These lubricants carry just the correct proportion of pure soft Air Floated Lubricating Graphite---not "flake" graphite but **powdered** graphite of impalpable fineness, **absolutely free from grit** and of such a peculiarly adhesive nature as to cause it to "stay put" (something that "flake" graphite will not do) on that part of the bearing with which it comes in contact.

**THE UNITED STATES GRAPHITE CO.**  
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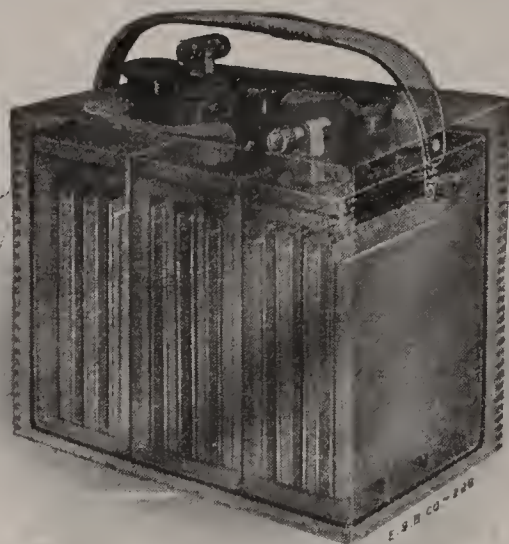
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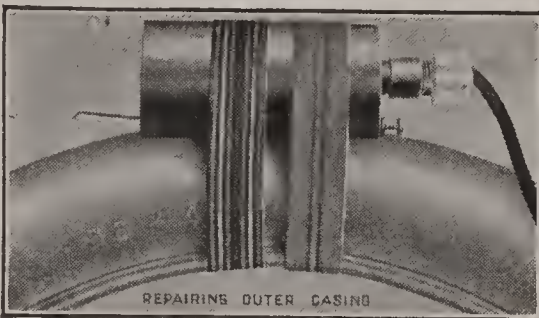
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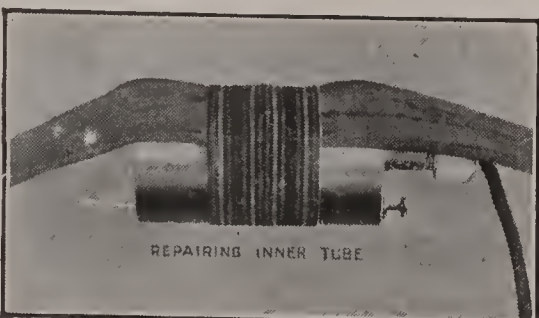
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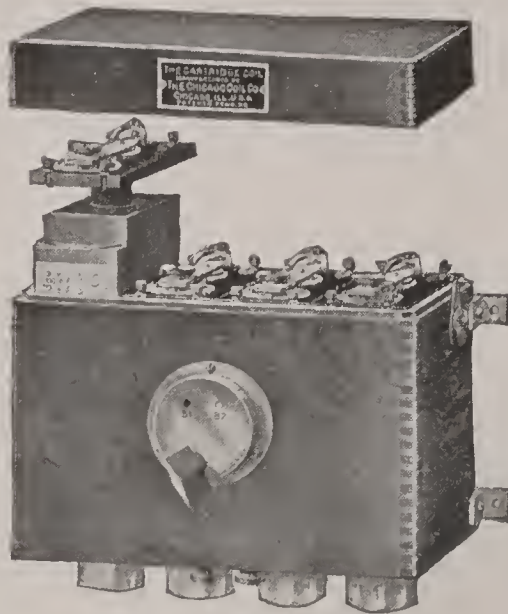
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This coil is so made that you can replace any part in a few seconds' time.

No units to throw away. Economical on current. Has the switch with a memory which saves platinum wear and is in every way a superior article.



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Parts are standard and interchangeable

GUARANTEED FOR ONE YEAR

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TO GIVE  
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# In Actual Brake Tests this Plug has shown Greater Horse Power than any other



John B. Anderson, M. D.

01809 Division Street, Spokane, Wash.  
May 27, 1909.

The National Steel Products Co.,  
Cleveland, Ohio.

Gentlemen:

Enclosed please find my check in the sum of Eight Dollars for which send me four spark plugs. I have tried plugs of several different makes. Yours is the best ever. I have a set that I have used in my Ford Model N Car **for a year**. Yesterday I went for a seventy mile run, and as one of my plugs is in poor condition, the mica being broken, I purchased a new plug said to be soot proof and to spark in oil and water. I made the run of thirty-five miles with the engine being erratic after the first few miles, and as I was losing power on the hills I examined the plugs, found the New Plug as black as soot itself, and the other three plugs all with a sparking surface. I brushed them off with a stiff brush, and put in my old dilapidated plug and made the other thirty-five miles without mishap. **I do not give a D— whether a plug will spark in oil and water. I want one that will spark in the cylinder, and permit me to say that your plug will do it.** I think that you will make the other fellows sit up and take notice. I tell you this now, as post mortem roses have their beauty lost to the fellow most interested.

Yours very truly,

JNO. B. ANDERSON.

We are supplying a number of the largest automobile manufacturers, who have previously contracted for other plugs, with our Spiral Core, Blue Blaze and Rapid Fire Plugs, for 1909 use, they having discontinued other plugs because of better results from ours.

## Horse Power







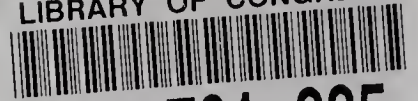








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